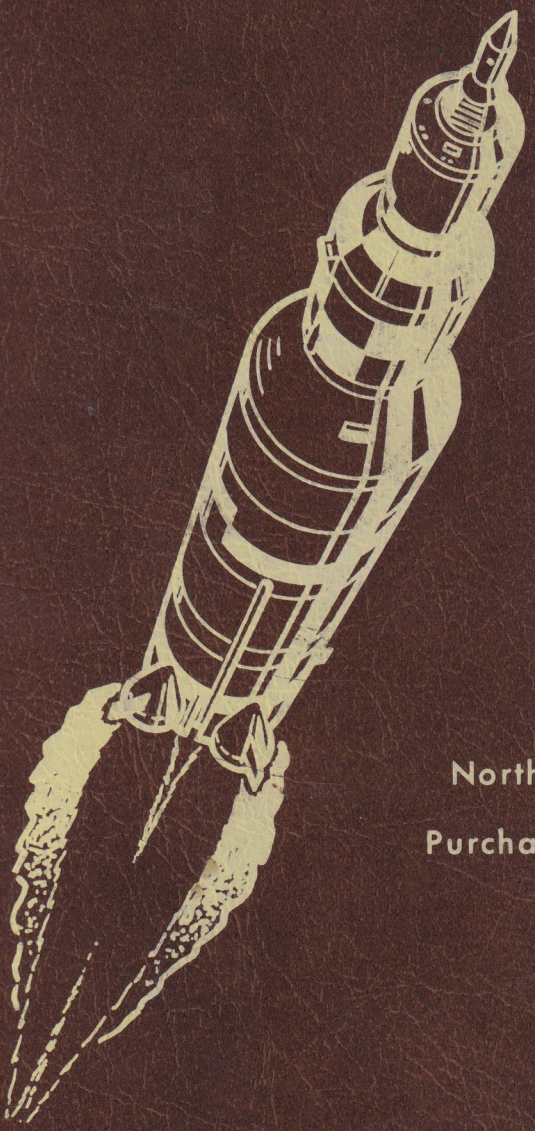
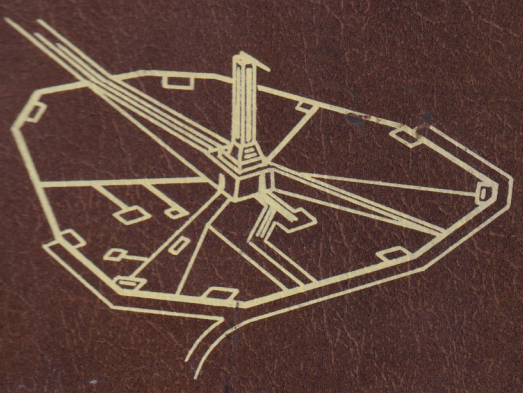
APOLLO MISSION SIMULATOR

Maintenance And Repair Procedures Manual



Prepared for
North American Aviation, Inc.

Purchase Order M3J8XA-406035



SYSTEMS DIVISION
GENERAL PRECISION INC.
LINK GROUP

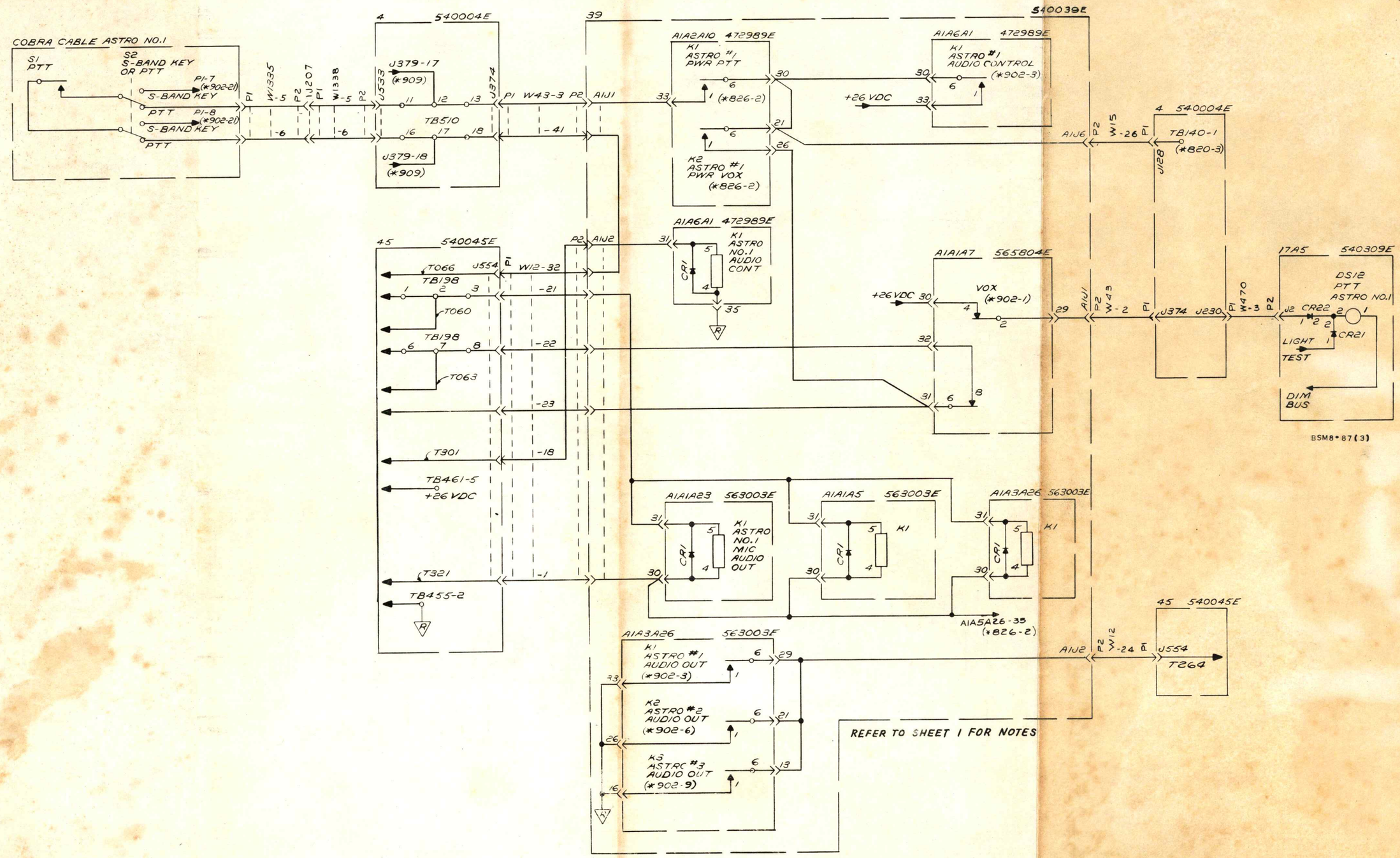


Figure 8-87. Voice System (Sheet 3 of 26)

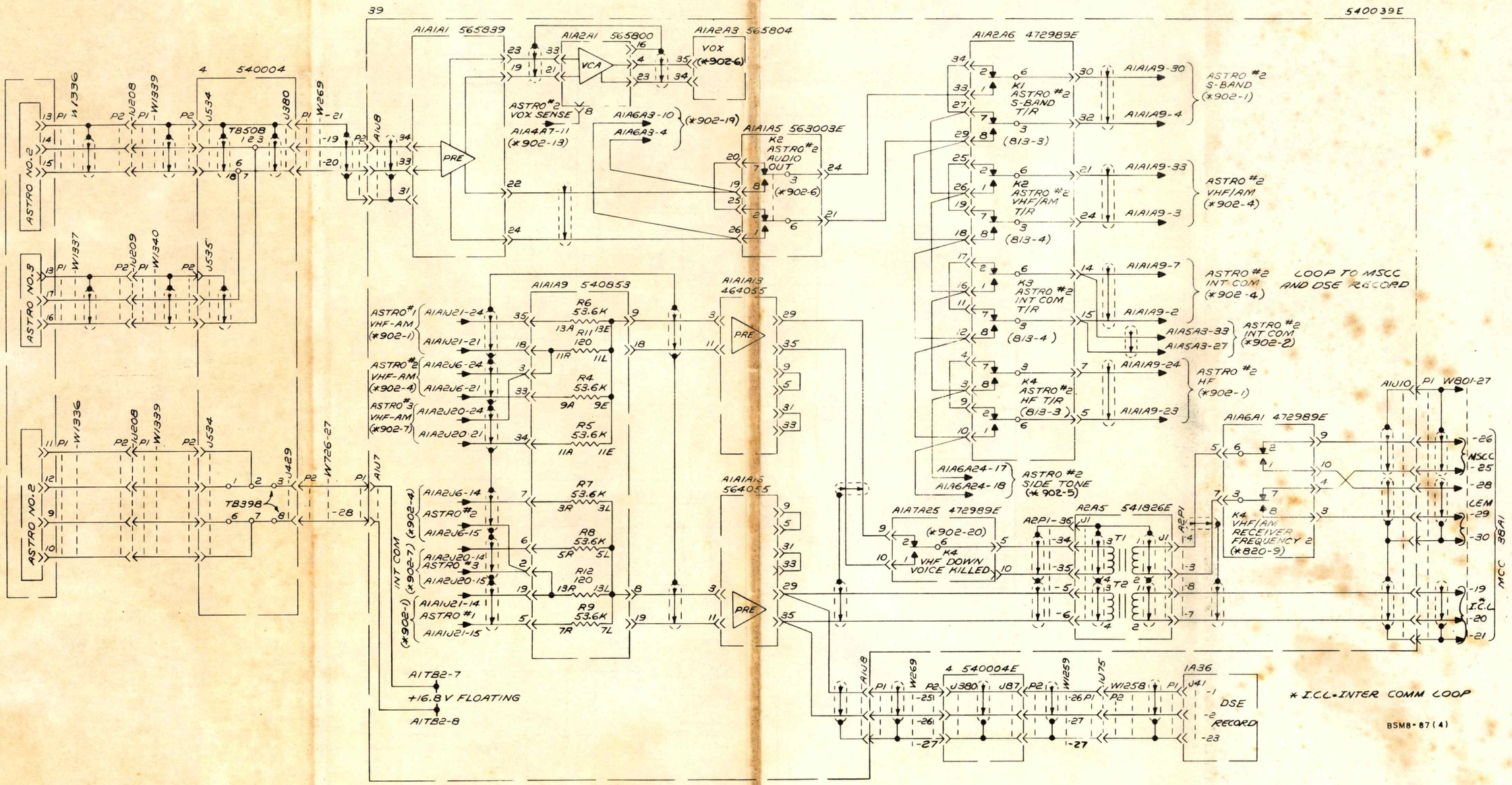


Figure 8-87. Voice System (Sheet 4 of 26)

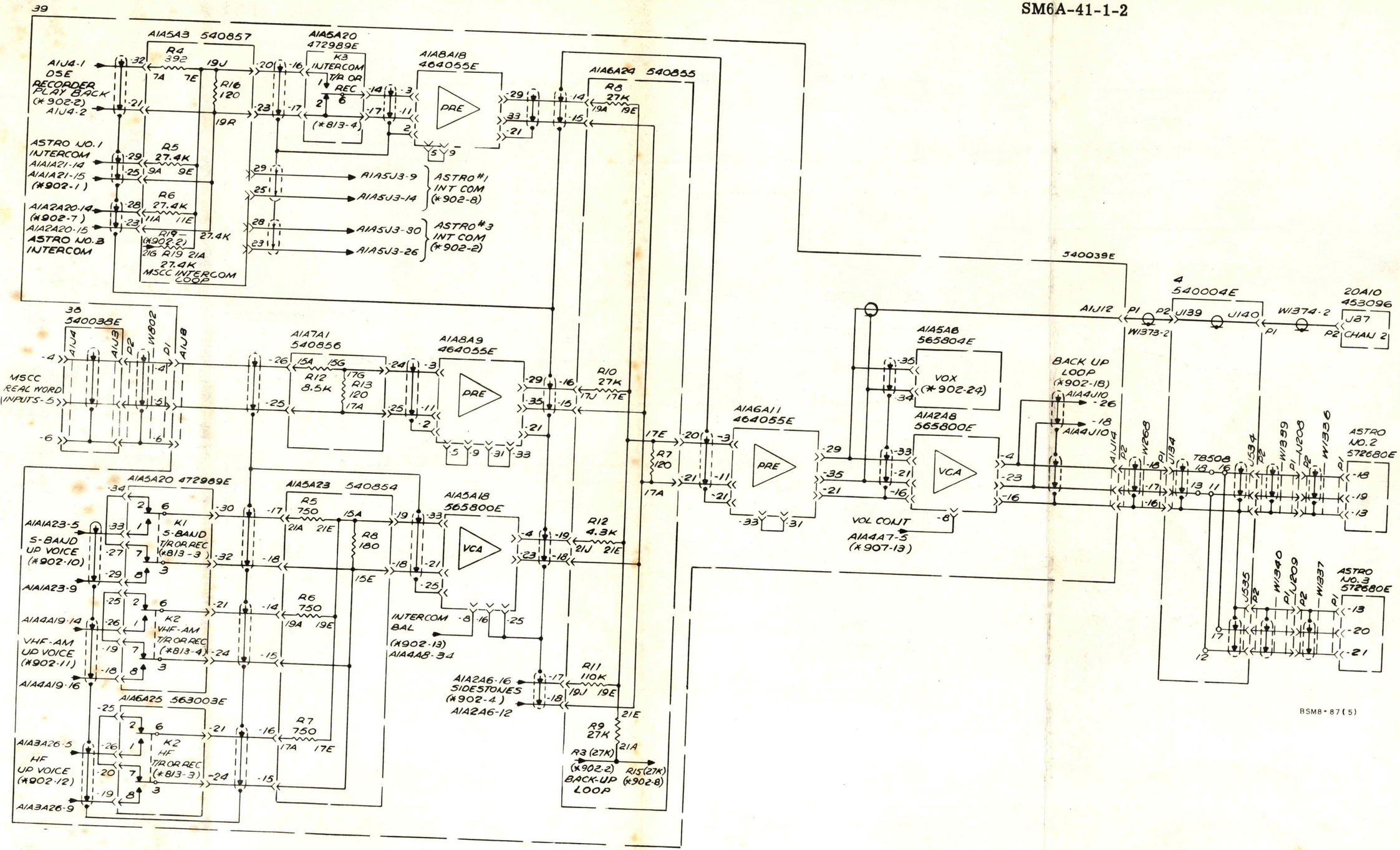
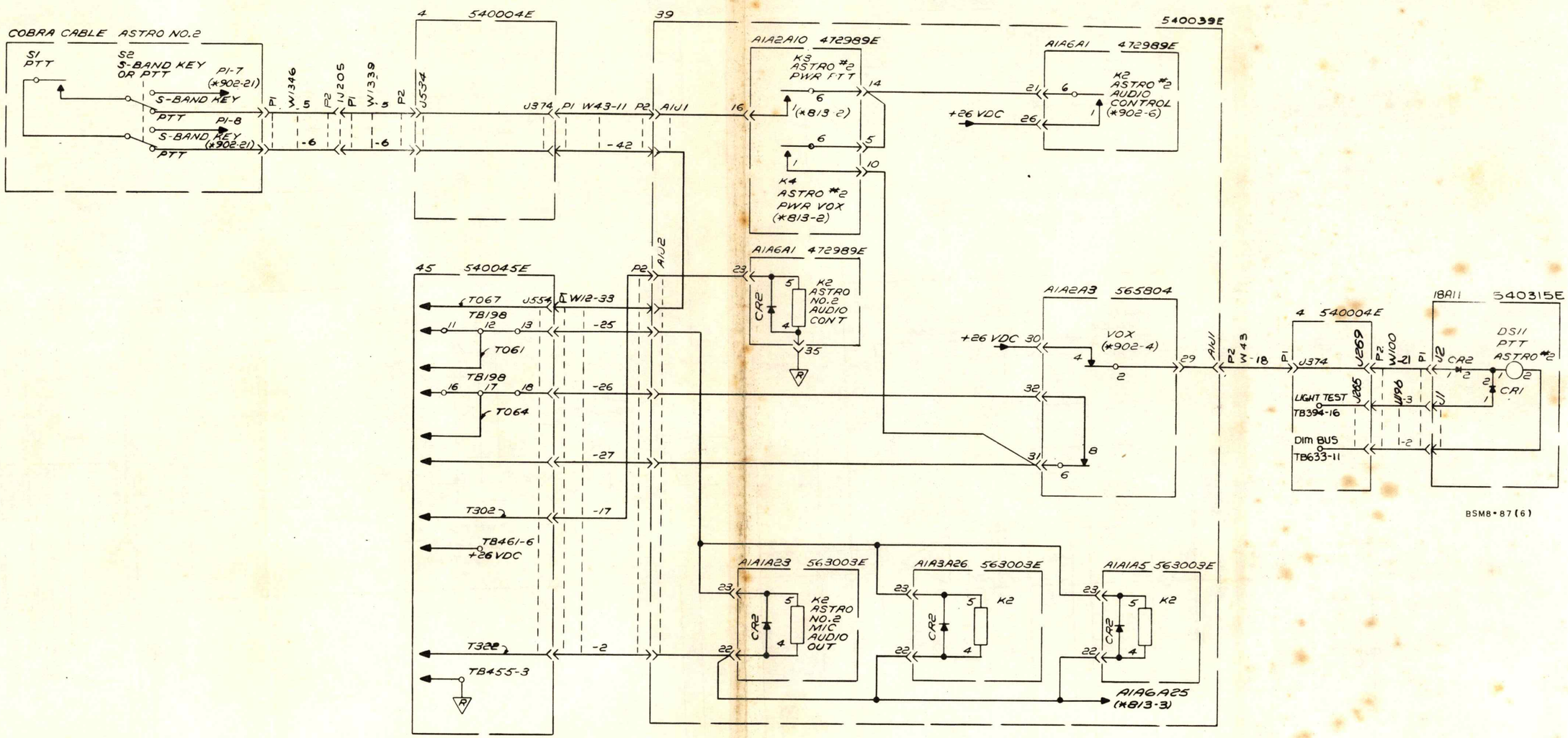
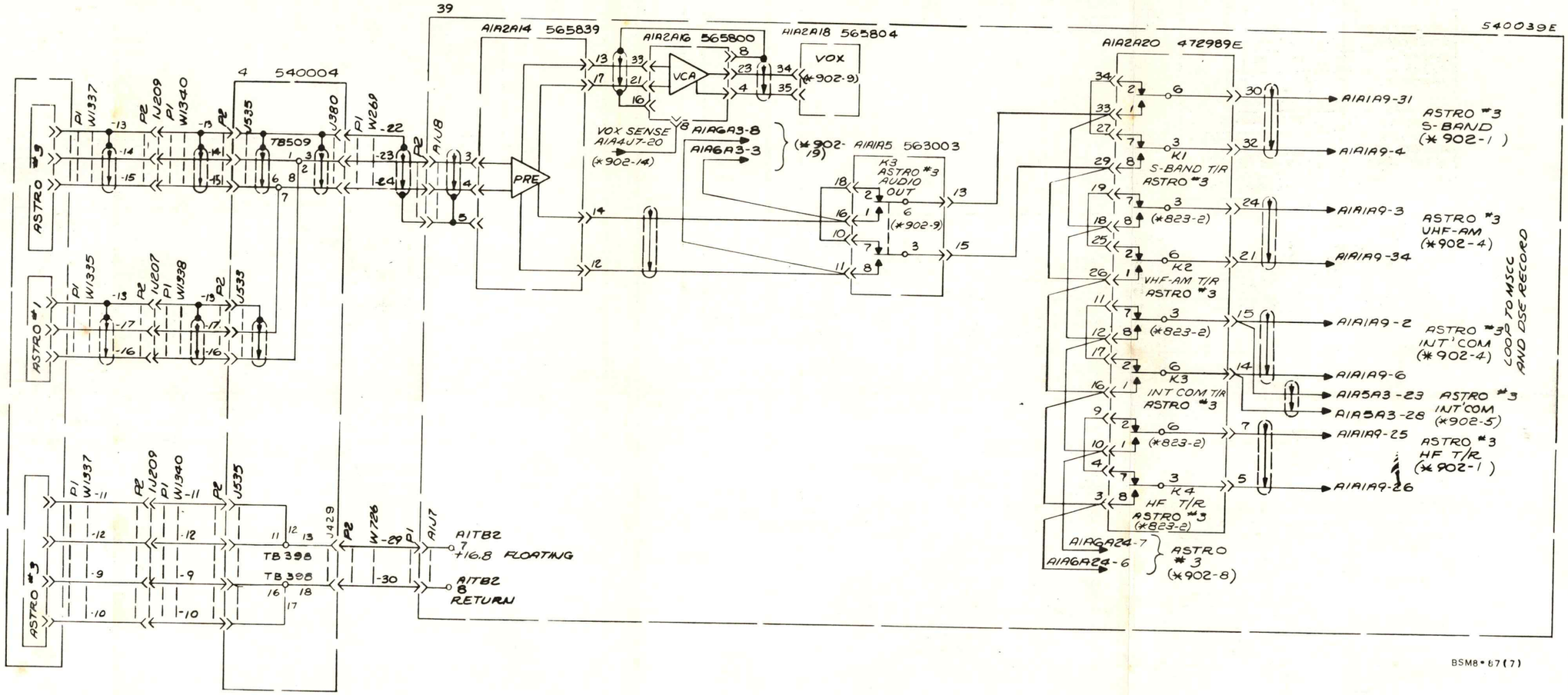


Figure 8-87. Voice System (Sheet 5 of 26)



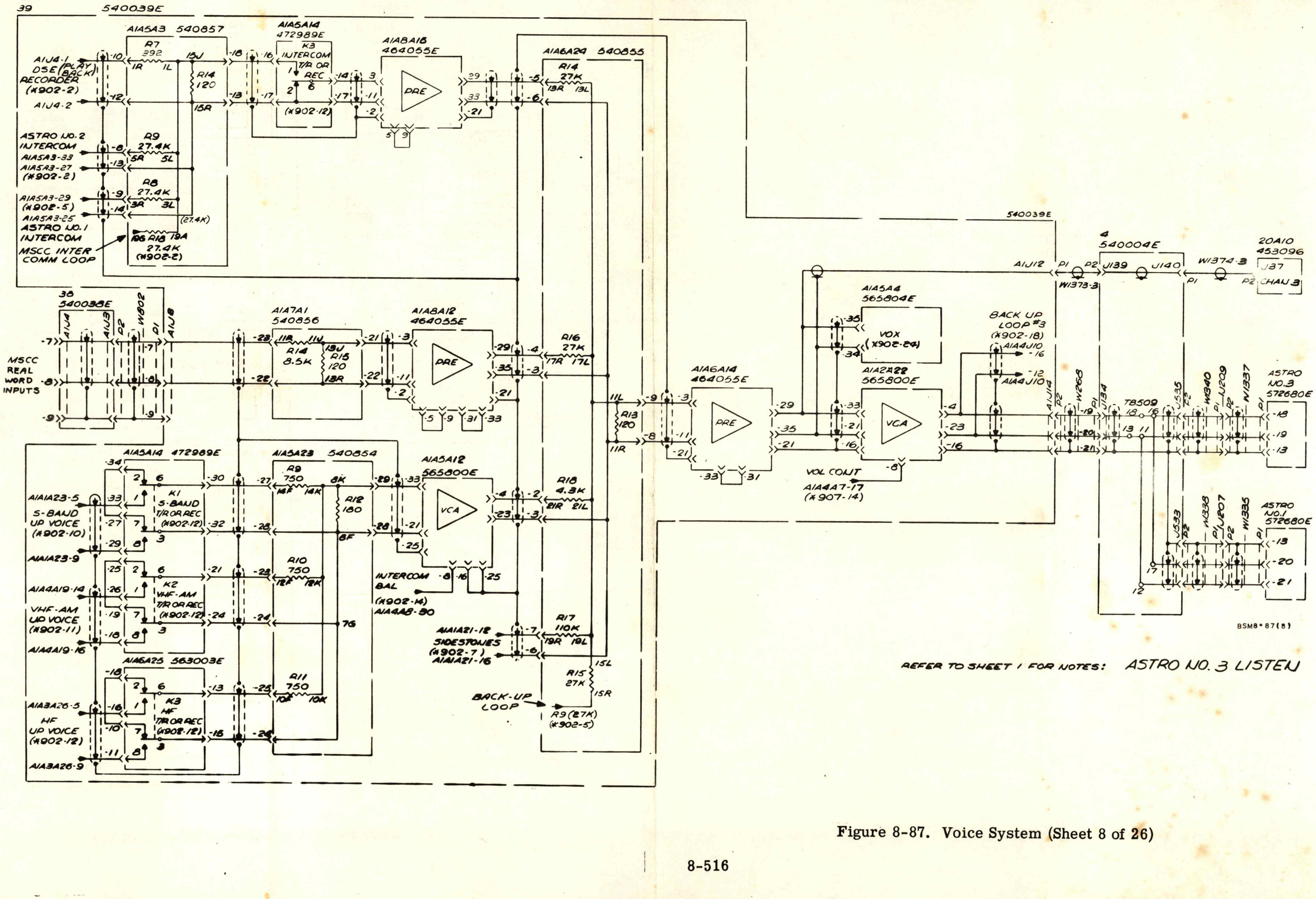
BSM8•87(6)

Figure 8-87. Voice System (Sheet 6 of 26)



BSM8-87(7)

Figure 8-87. Voice System (Sheet 7 of 26)



REFER TO SHEET 1 FOR NOTES: ASTRO NO. 3 LISTEN

Figure 8-87. Voice System (Sheet 8 of 26)

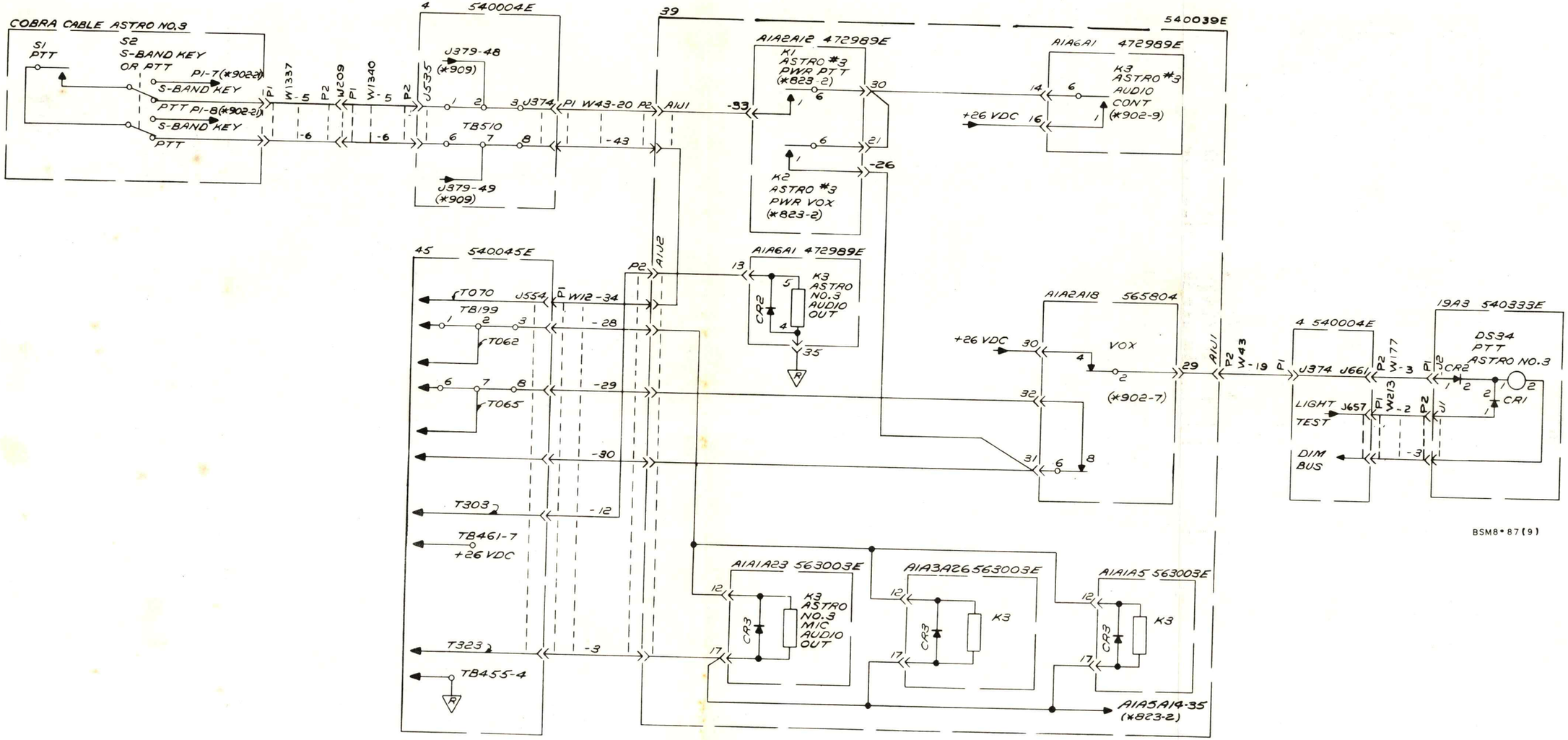


Figure 8-87. Voice System (Sheet 9 of 26)

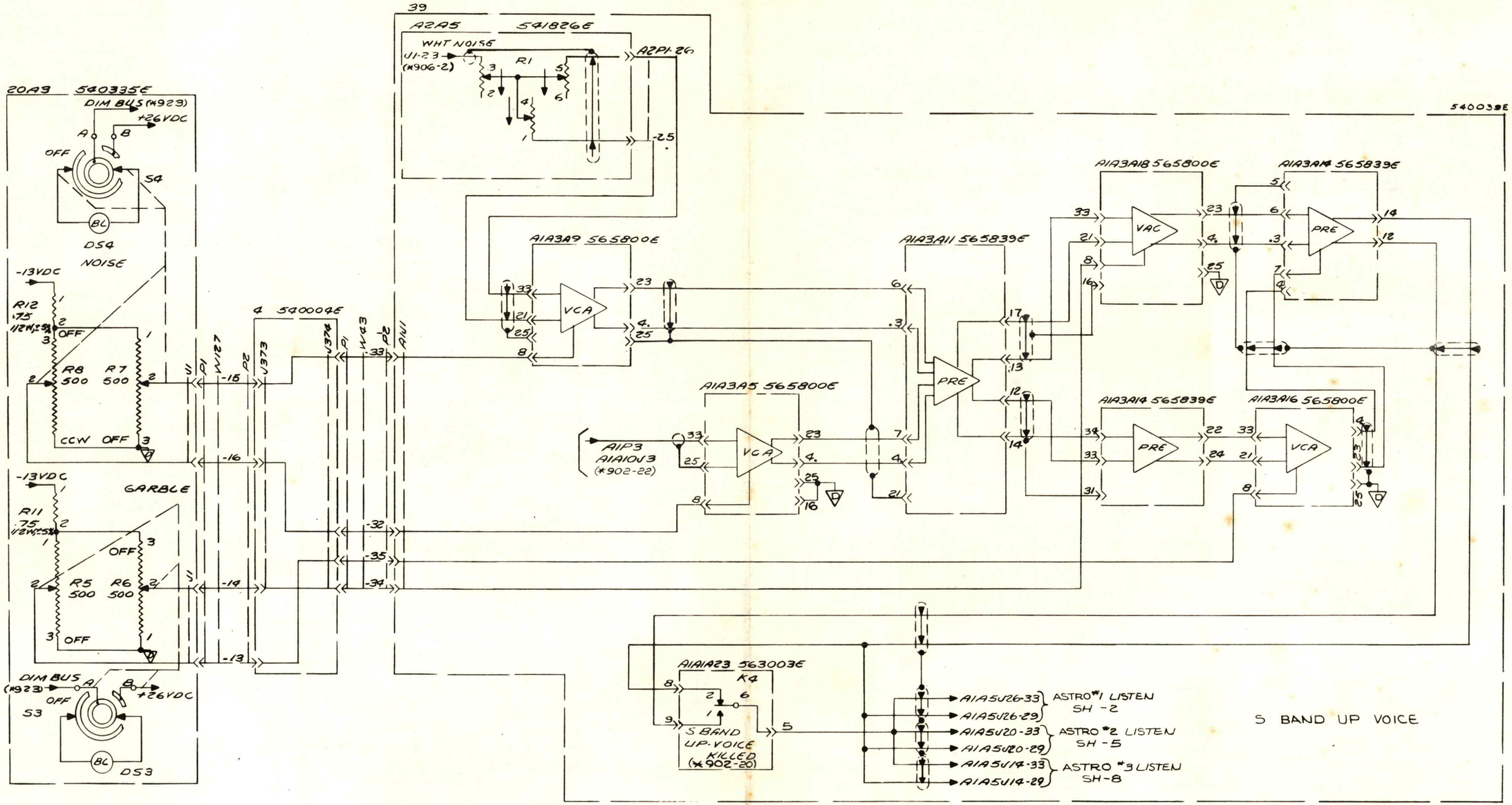


Figure 8-87. Voice System (Sheet 10 of 26)

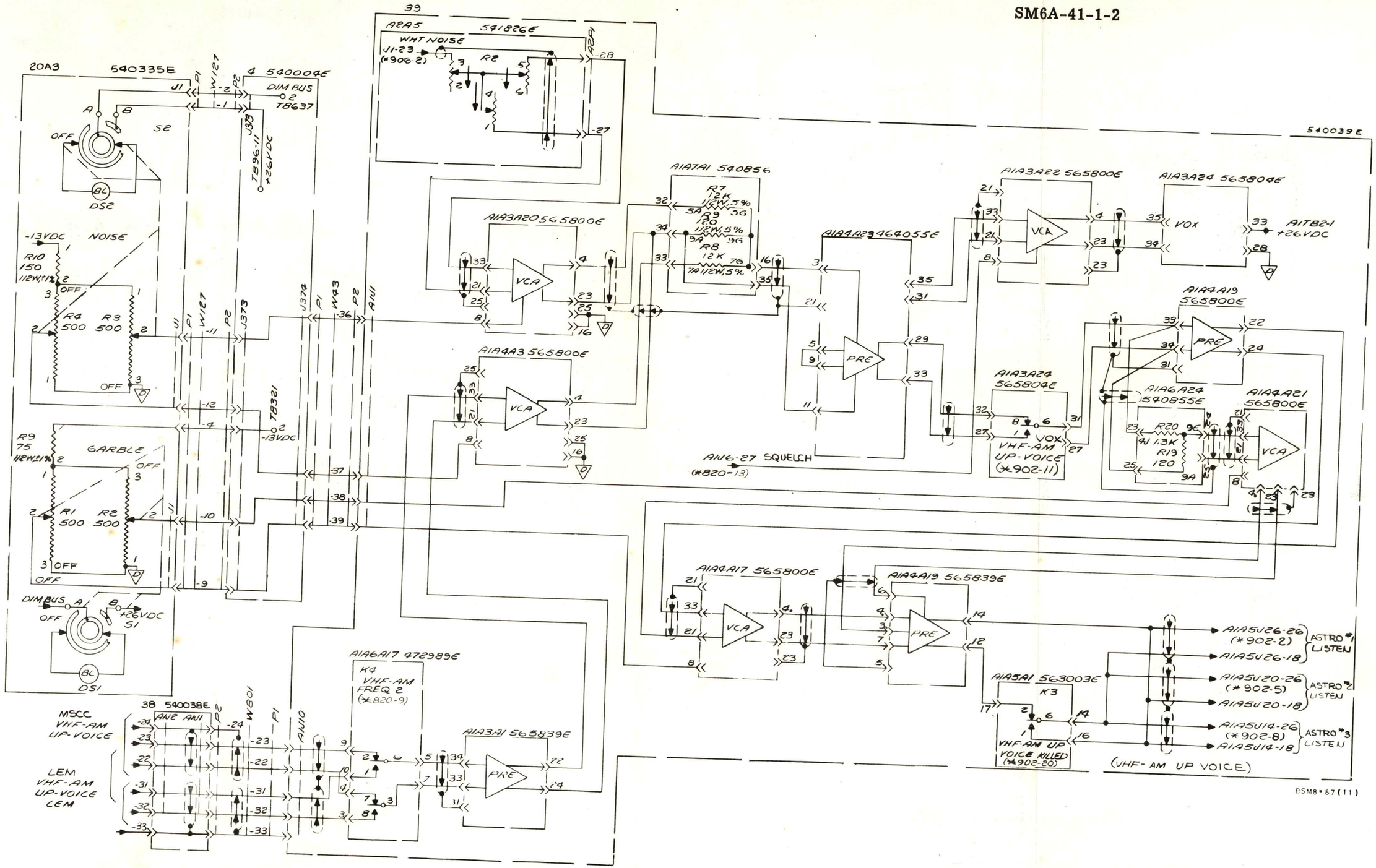


Figure 8-87. Voice System (Sheet 11 of 26)

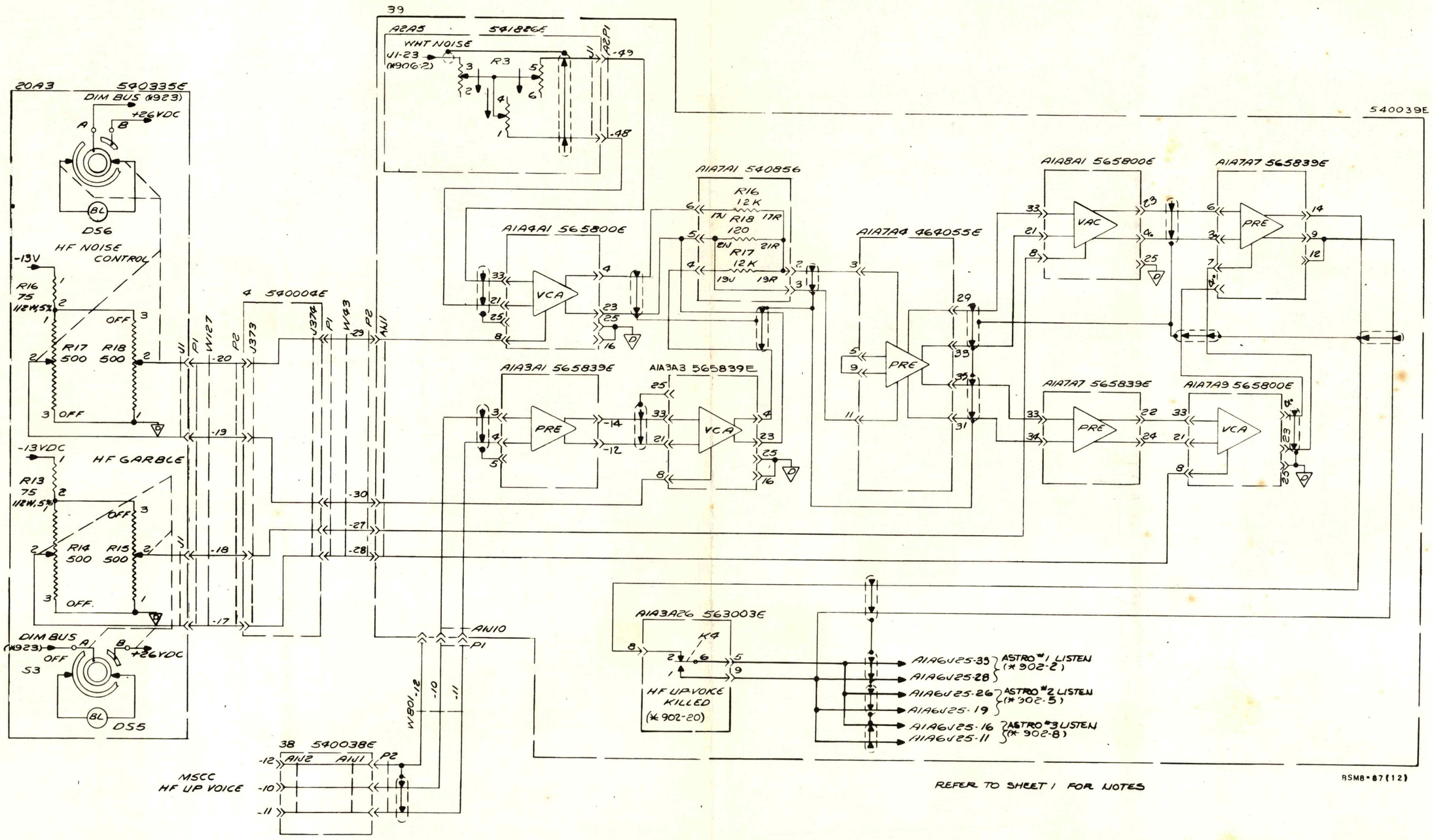


Figure 8-87. Voice System (Sheet 12 of 26)

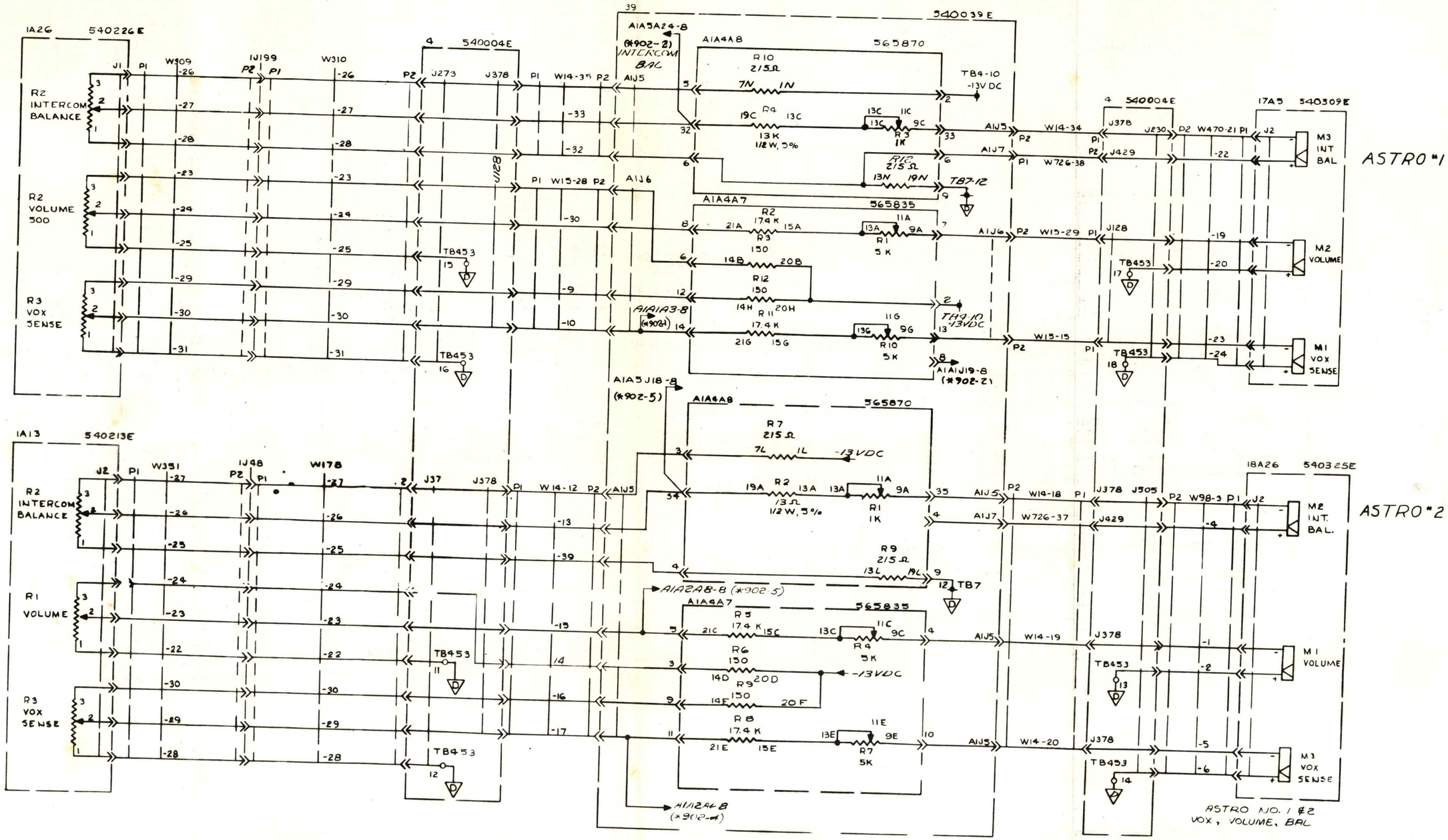
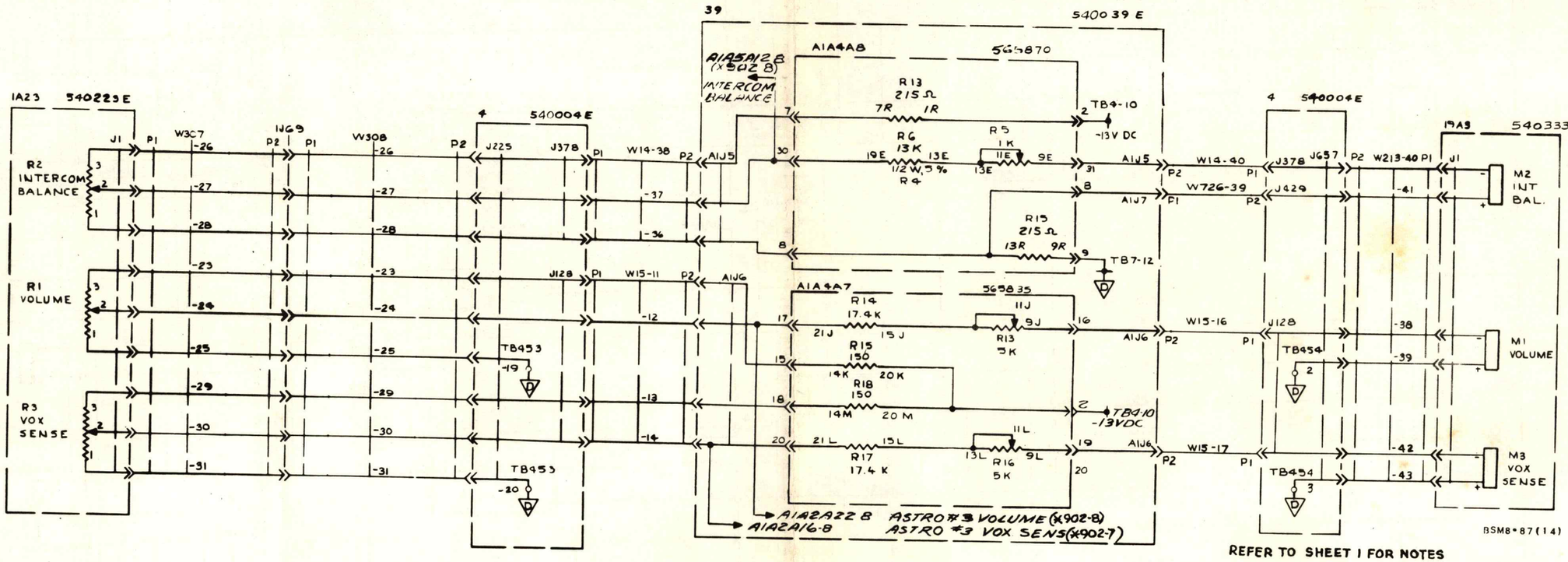


Figure 8-87. Voice System (Sheet 13 of 26)



REFER TO SHEET 1 FOR NOTES

Figure 8-87. Voice System (Sheet 14 of 26)

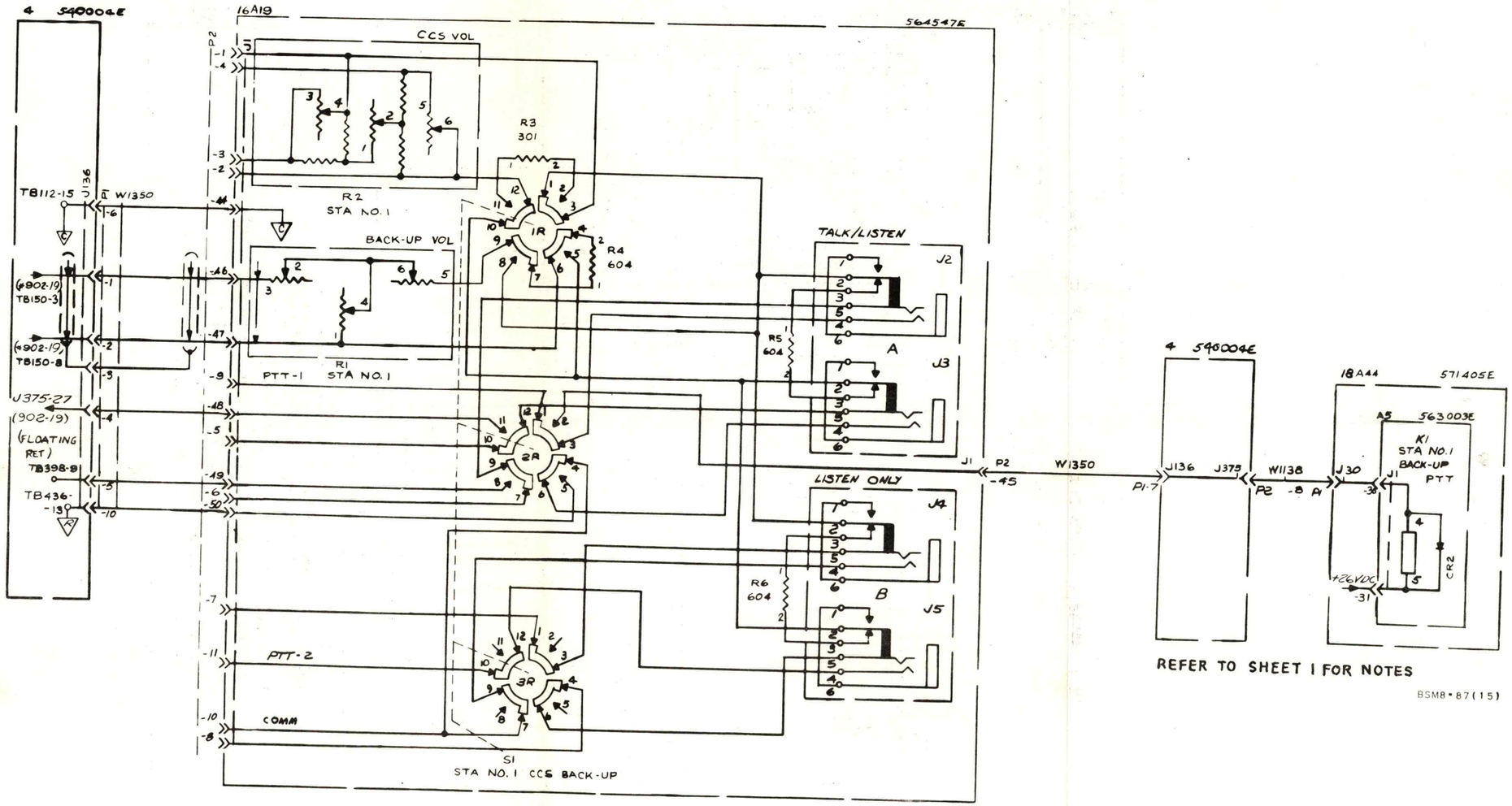
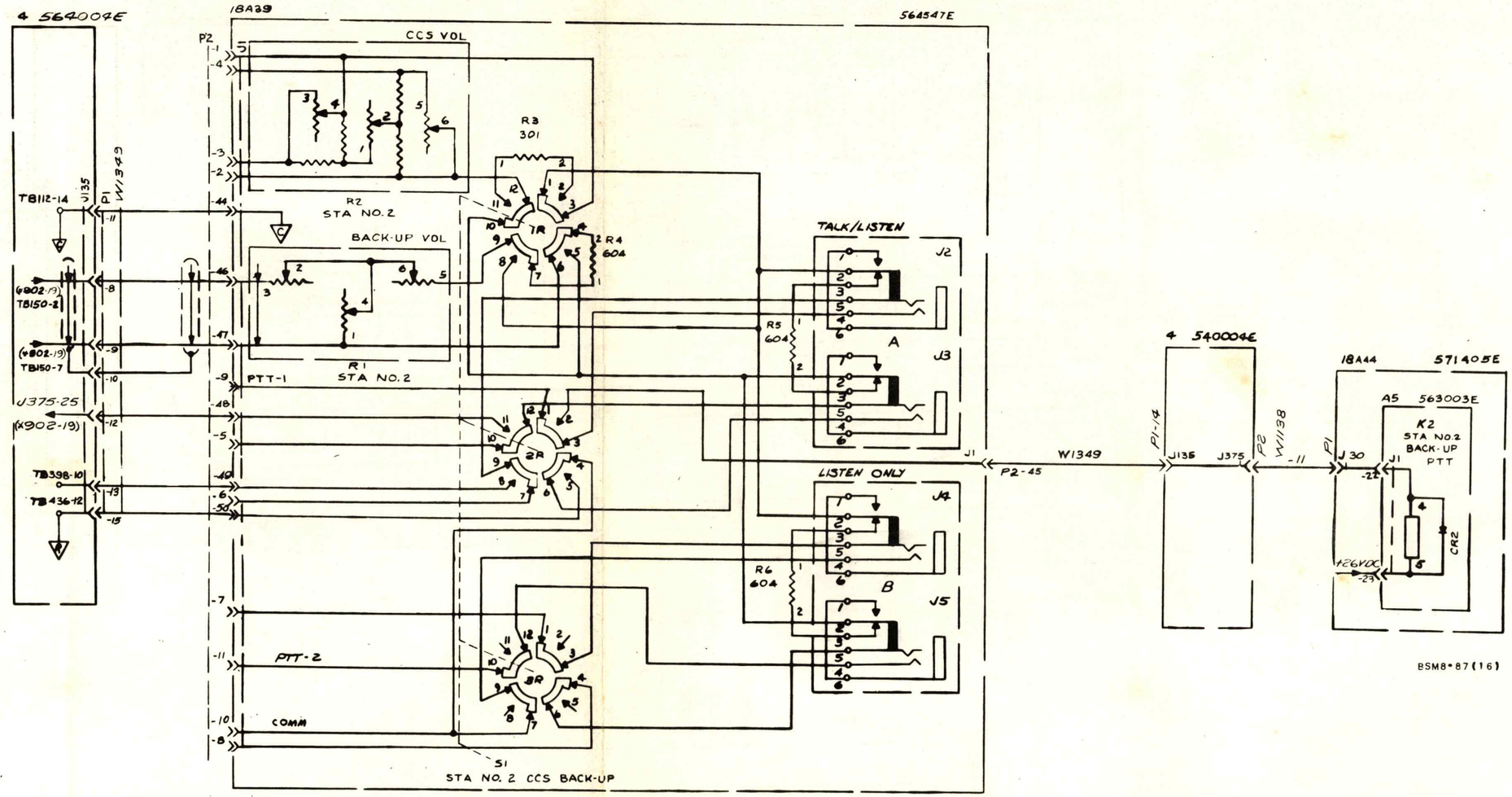


Figure 8-87. Voice System (Sheet 15 of 26)



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Figure 8-87. Voice System (Sheet 16 of 26)

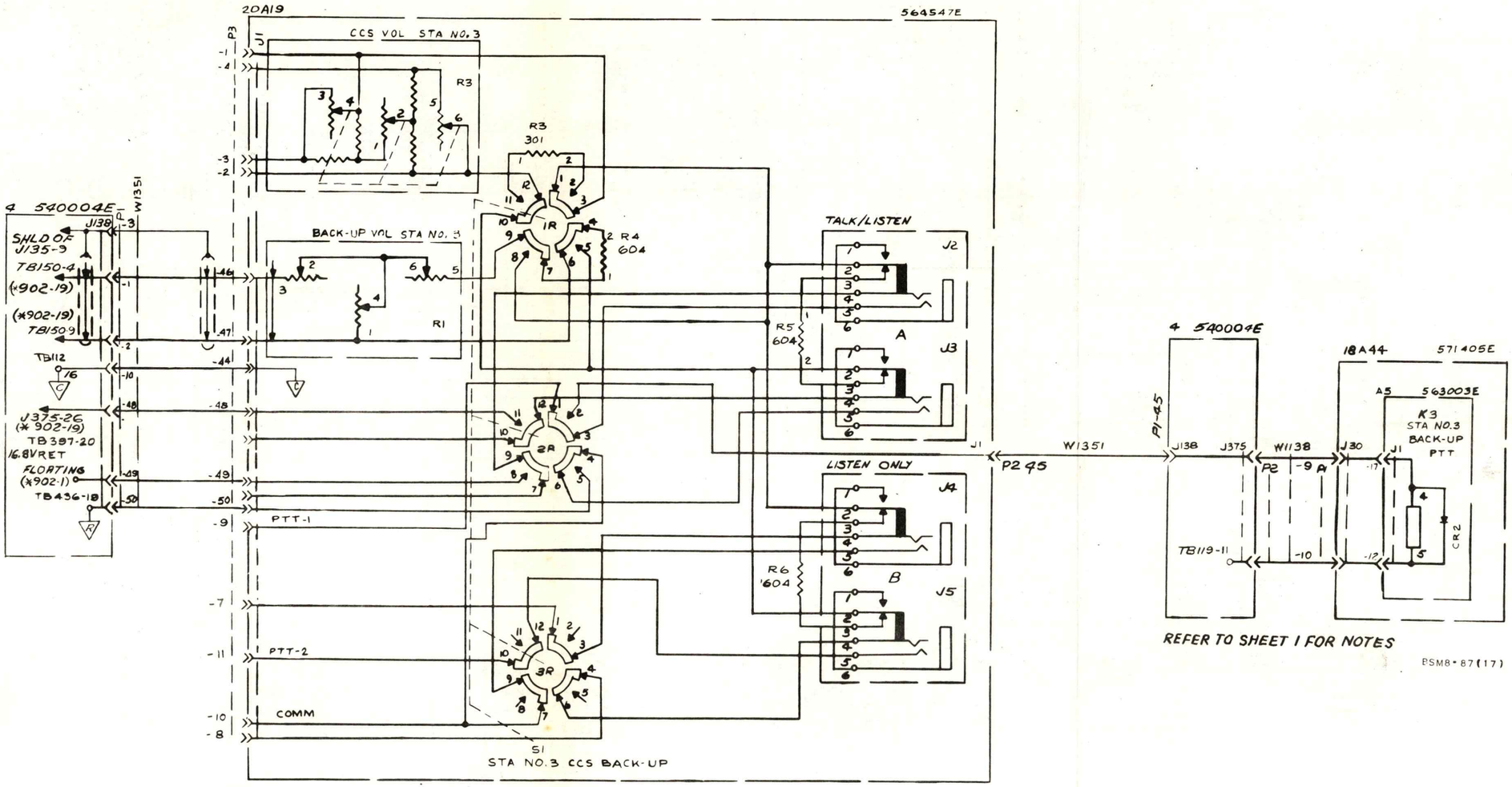
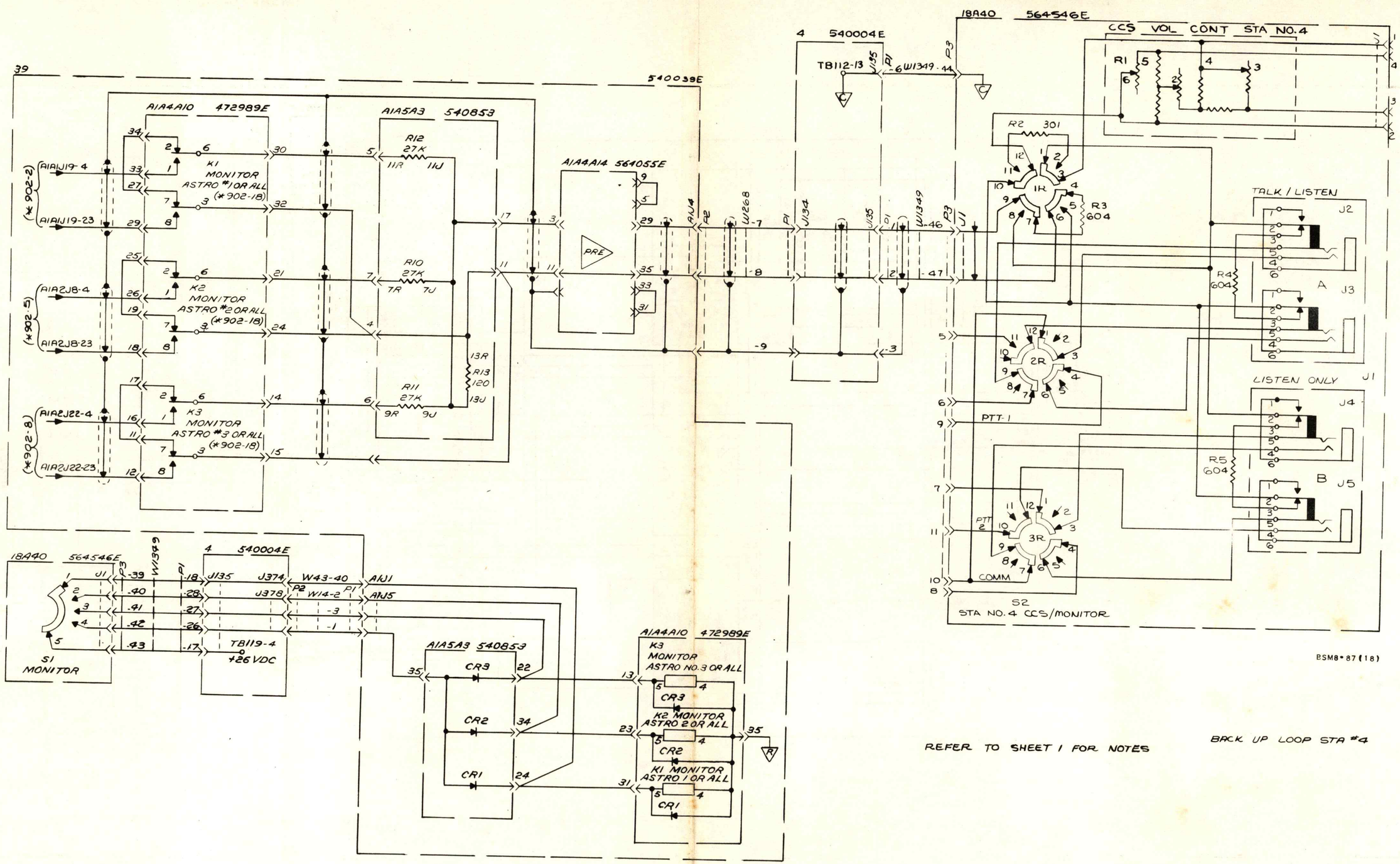


Figure 8-87. Voice System (Sheet 17 of 26)



REFER TO SHEET 1 FOR NOTES

BACK UP LOOP STA #4

Figure 8-87. Voice System (Sheet 18 of 26)

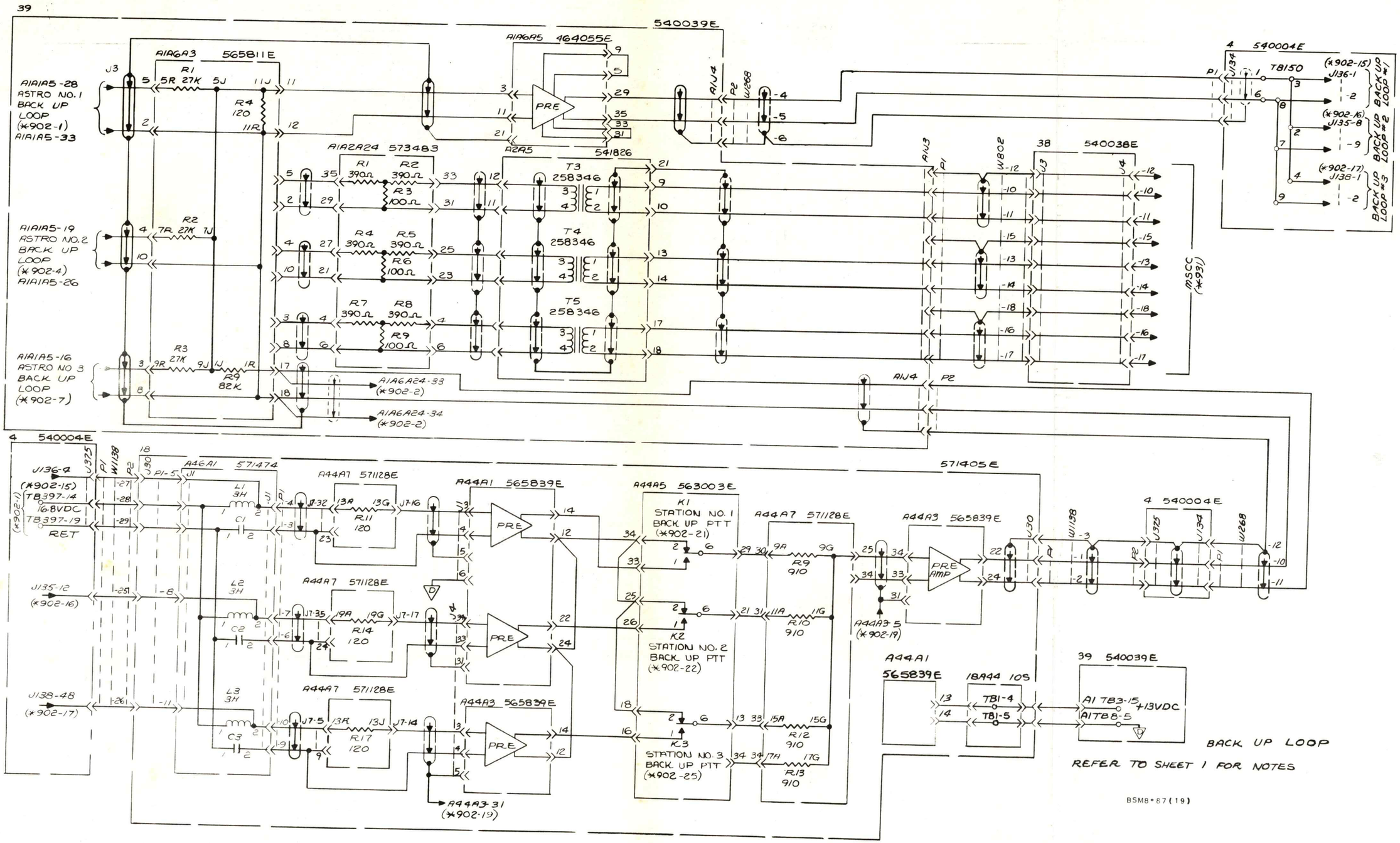


Figure 8-87. Voice System (Sheet 19 of 26)

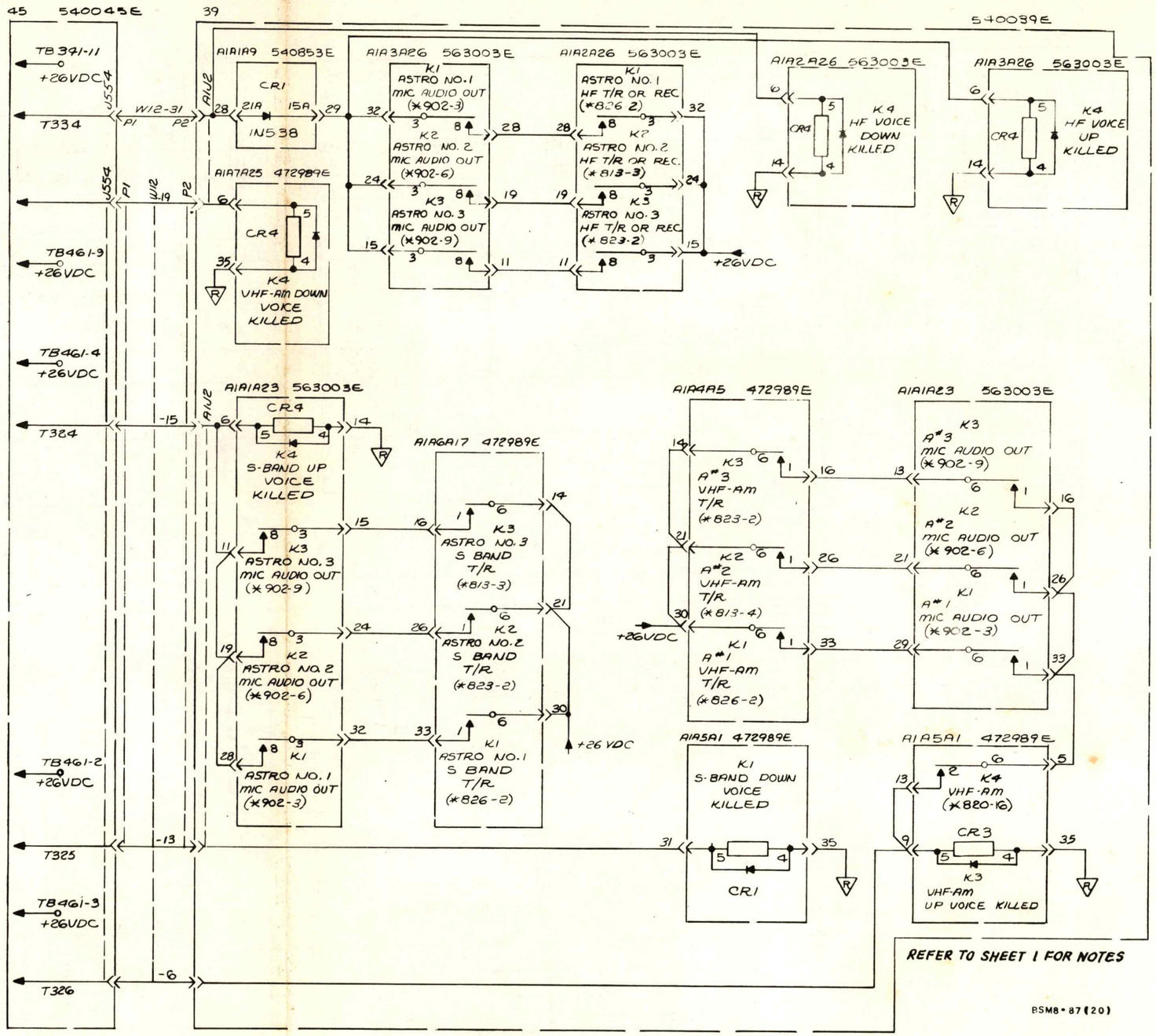


Figure 8-87. Voice System (Sheet 20 of 26)

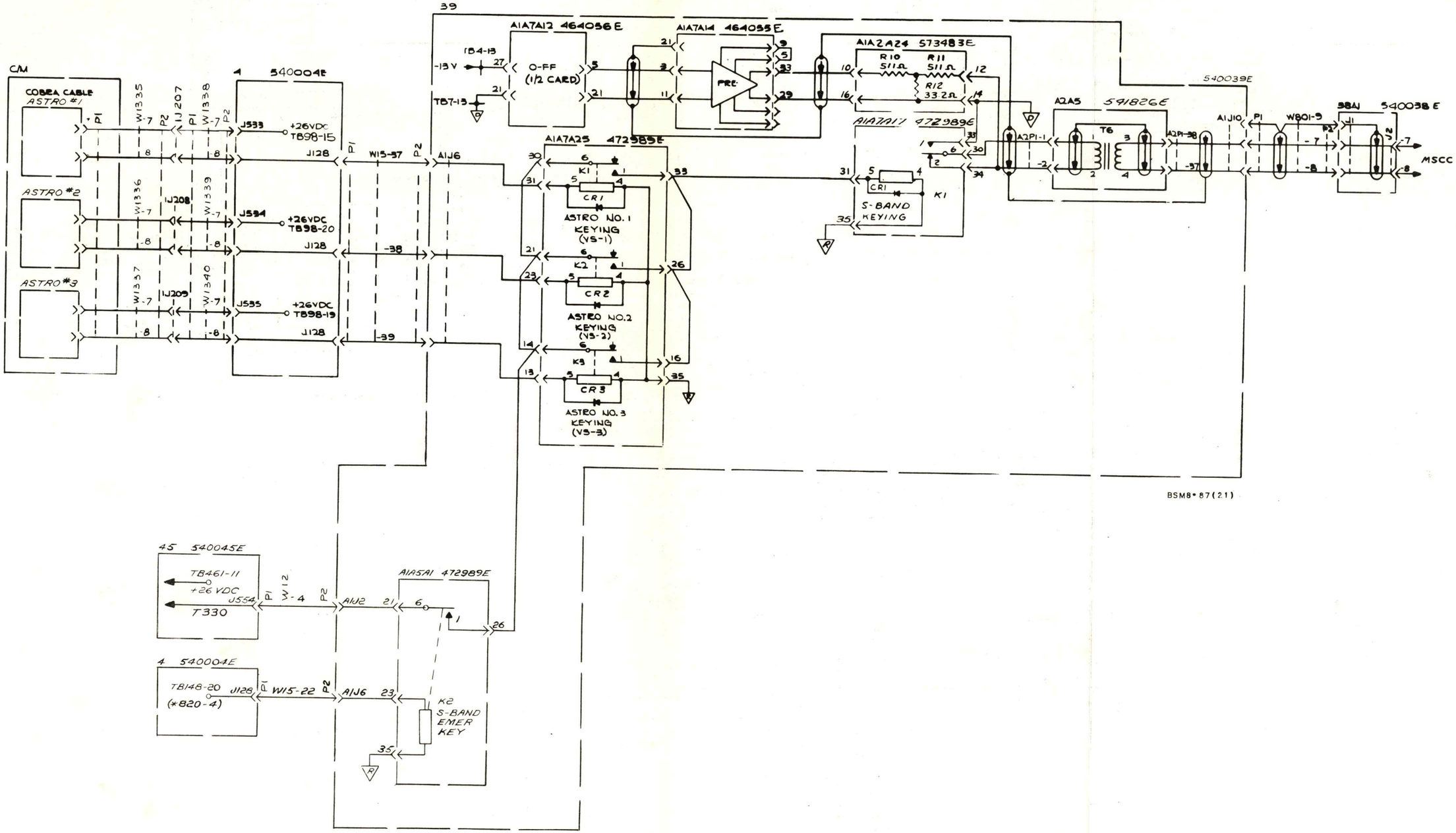


Figure 8-87. Voice System (Sheet 21 of 26)

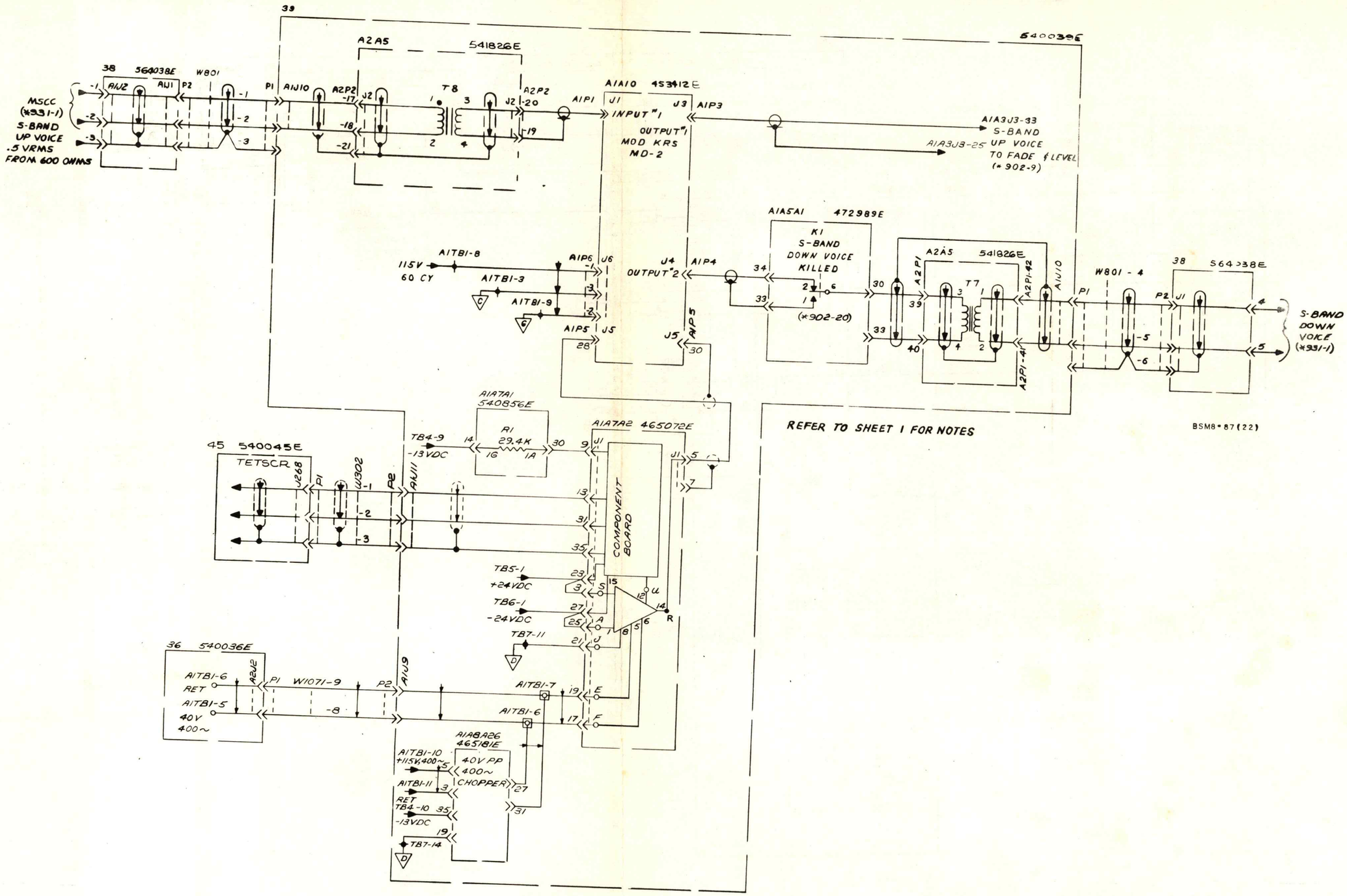


Figure 8-87. Voice System (Sheet 22 of 26)

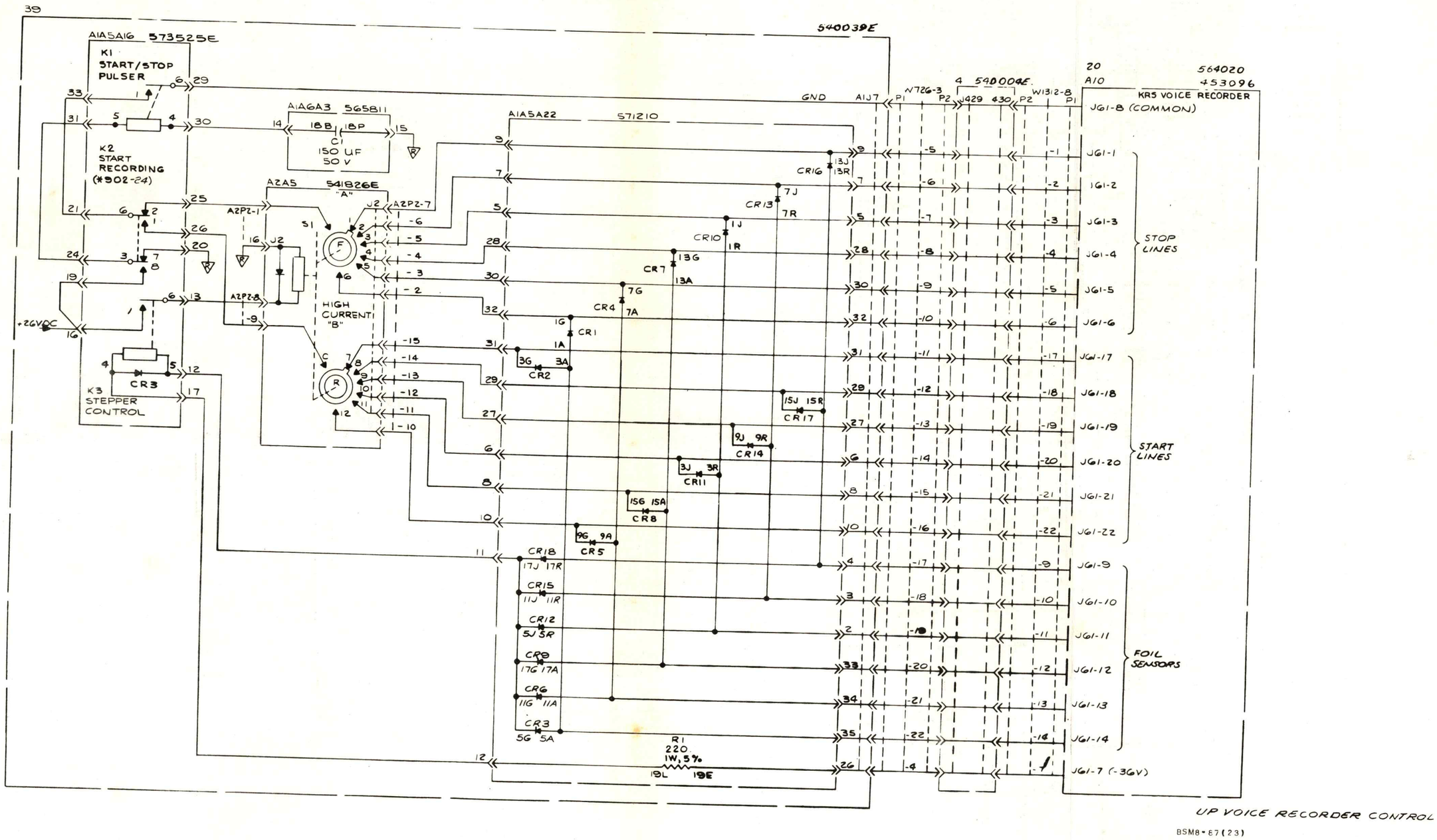


Figure 8-87. Voice System (Sheet 23 of 12

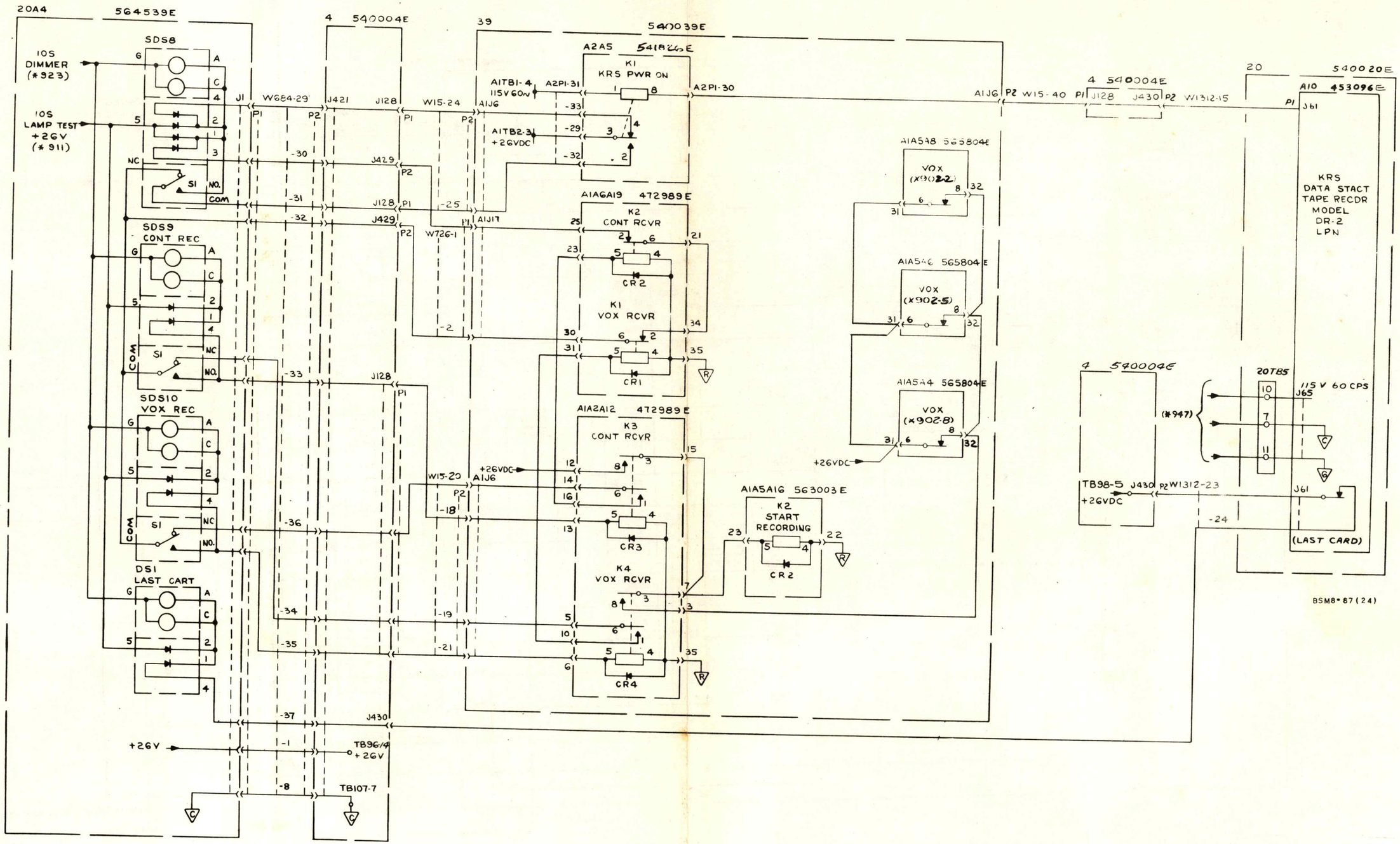


Figure 8-87. Voice System (Sheet 24 of 26)

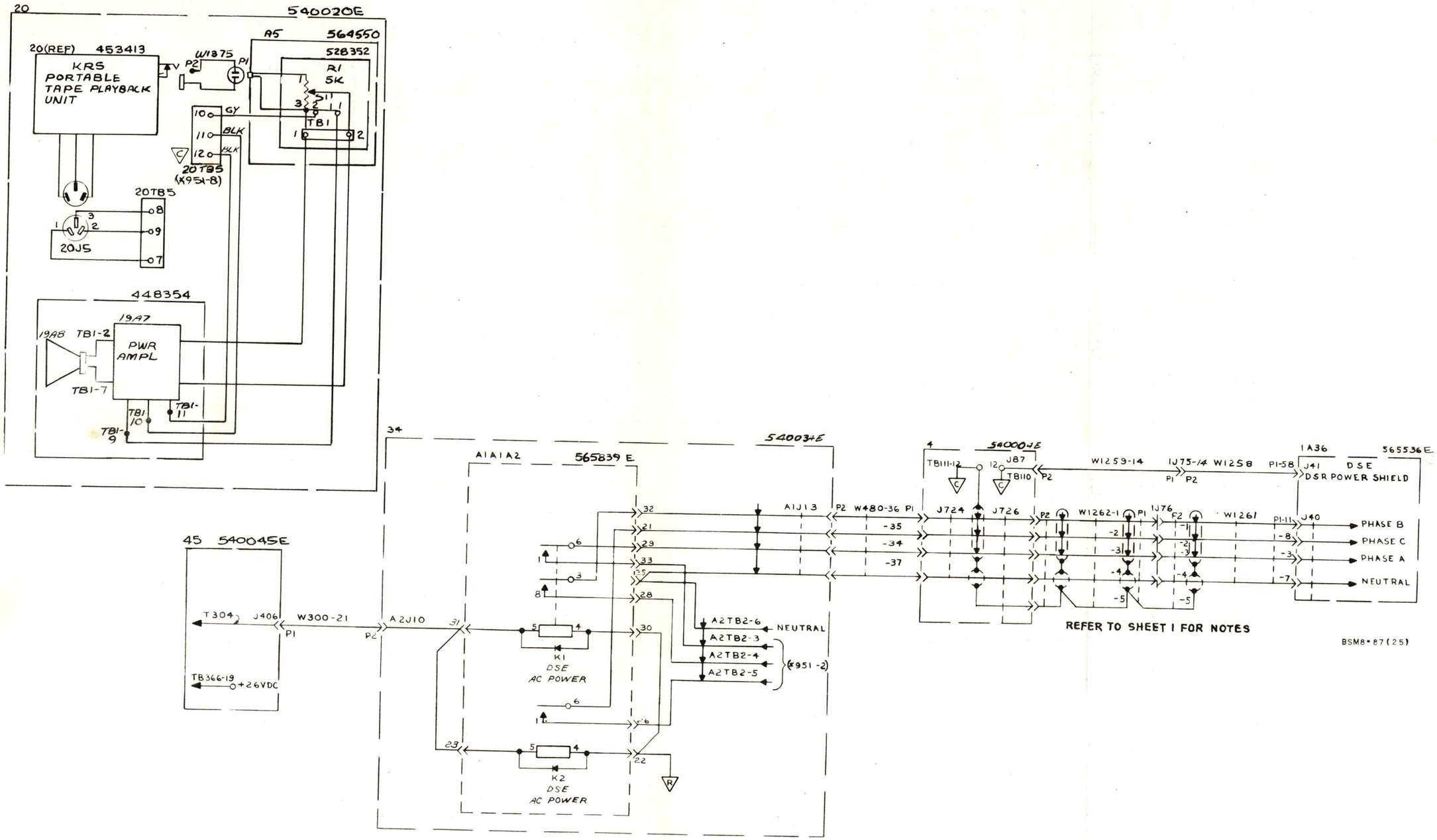


Figure 8-87. Voice System (Sheet 25 of 26)

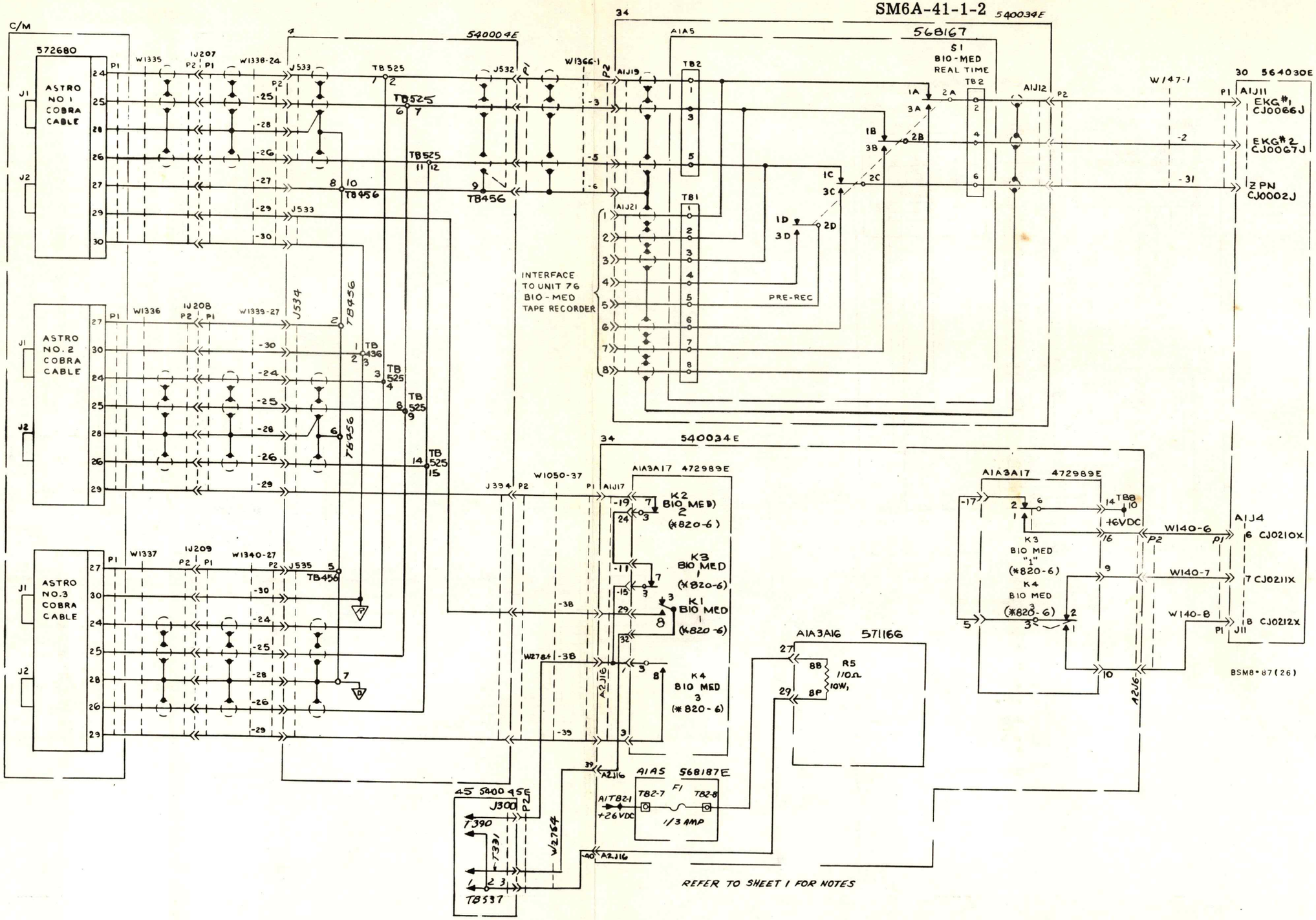
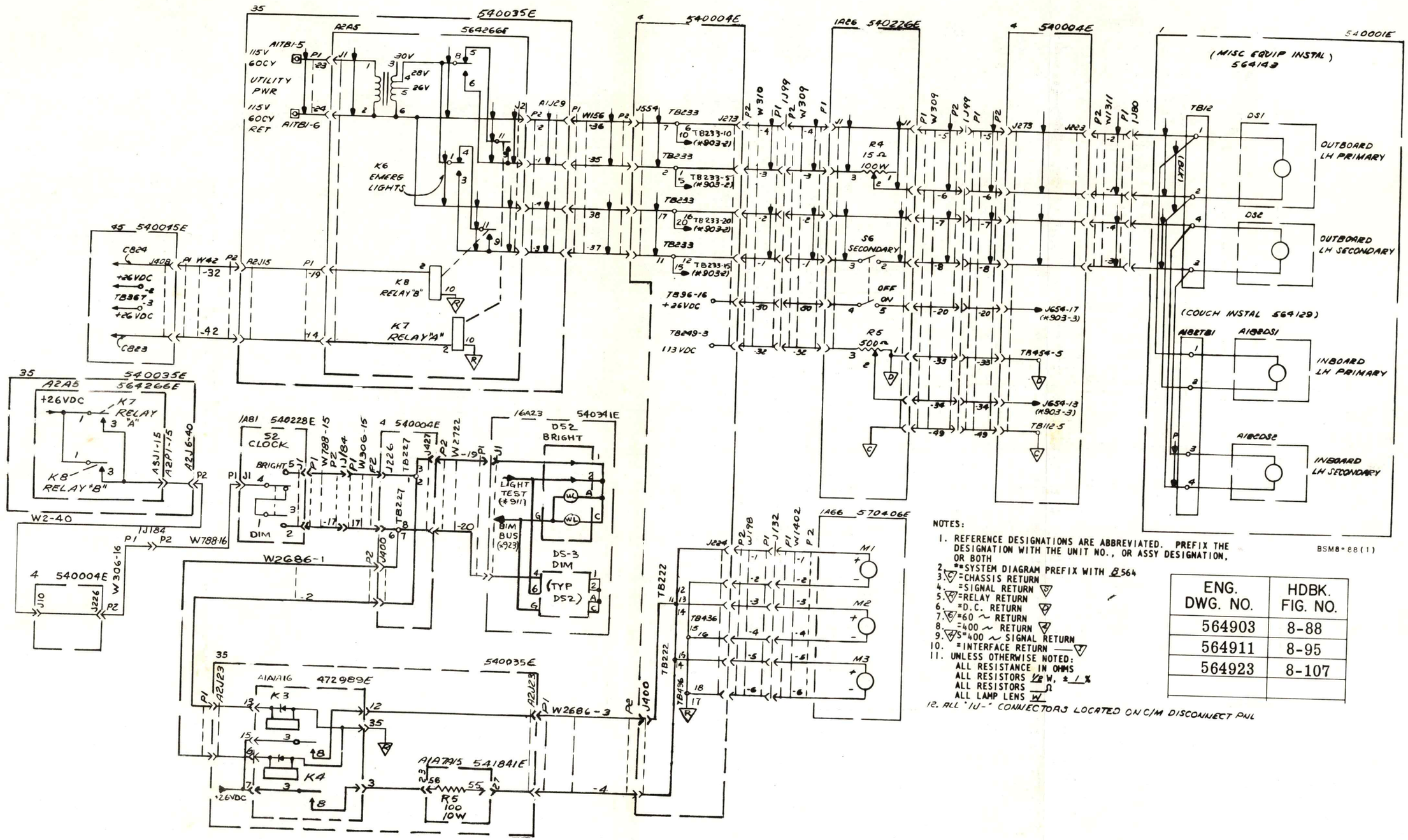


Figure 8-87. Voice System (Sheet 26 of 26)



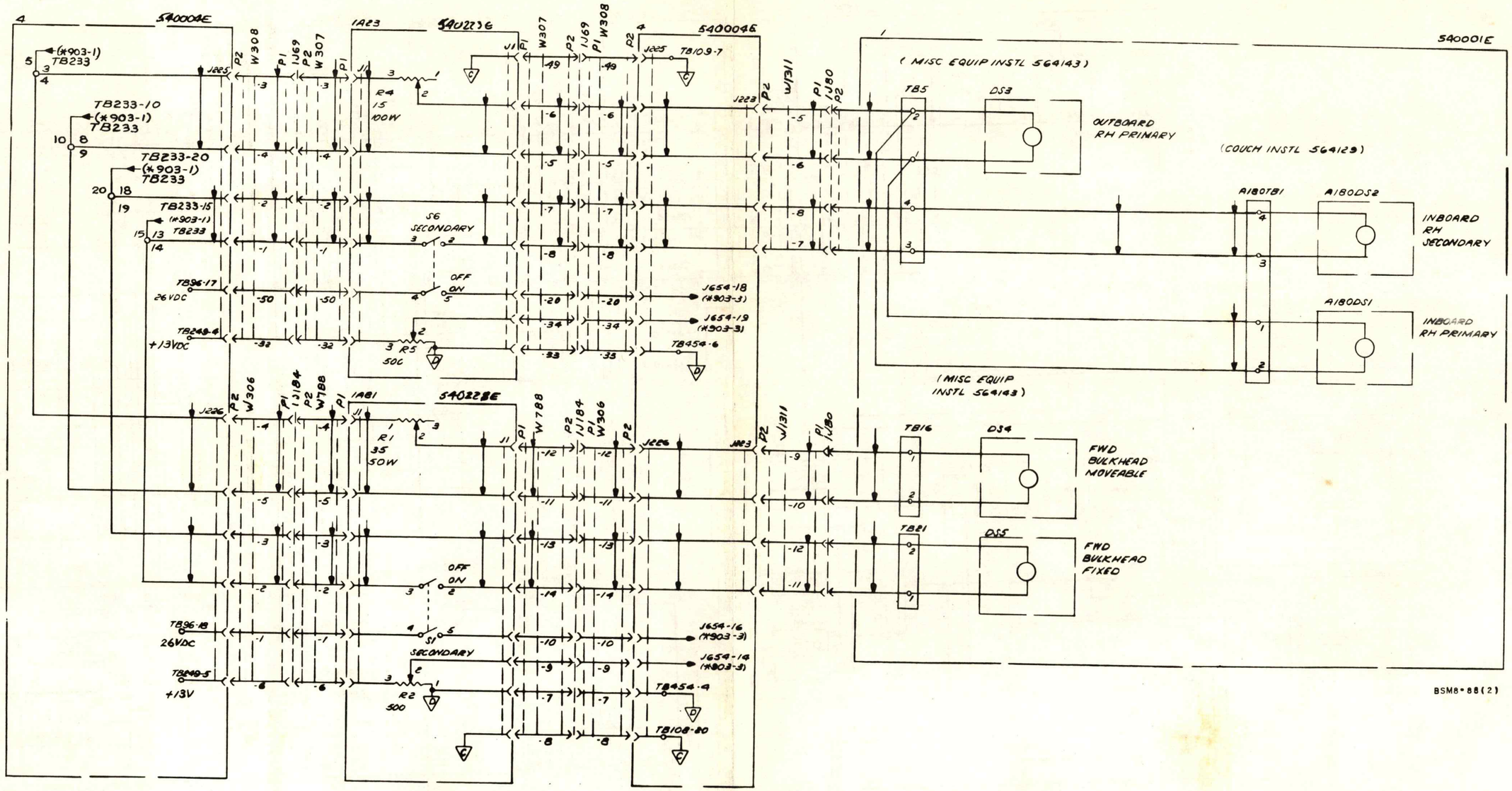
NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. *=SYSTEM DIAGRAM PREFIX WITH B564
3. ▽=CHASSIS RETURN
4. ▽=SIGNAL RETURN
5. ▽=RELAY RETURN
6. ▽=D.C. RETURN
7. ▽=60 ~ RETURN
8. ▽=400 ~ RETURN
9. ▽=400 ~ SIGNAL RETURN
10. ▽=INTERFACE RETURN
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS 1/2 W, ± 1 %
    ALL RESISTORS Ω
    ALL LAMP LENS W
12. ALL "1J-" CONNECTORS LOCATED ON C/M DISCONNECT PNL

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ENG. DWG. NO.	HDBK. FIG. NO.
564903	8-88
564911	8-95
564923	8-107

Figure 8-88. C/M Flood Lighting System (Sheet 1 of 3)



REFER TO SHEET 1 FOR NOTES

Figure 8-88. C/M Flood Lighting System (Sheet 2 of 3)

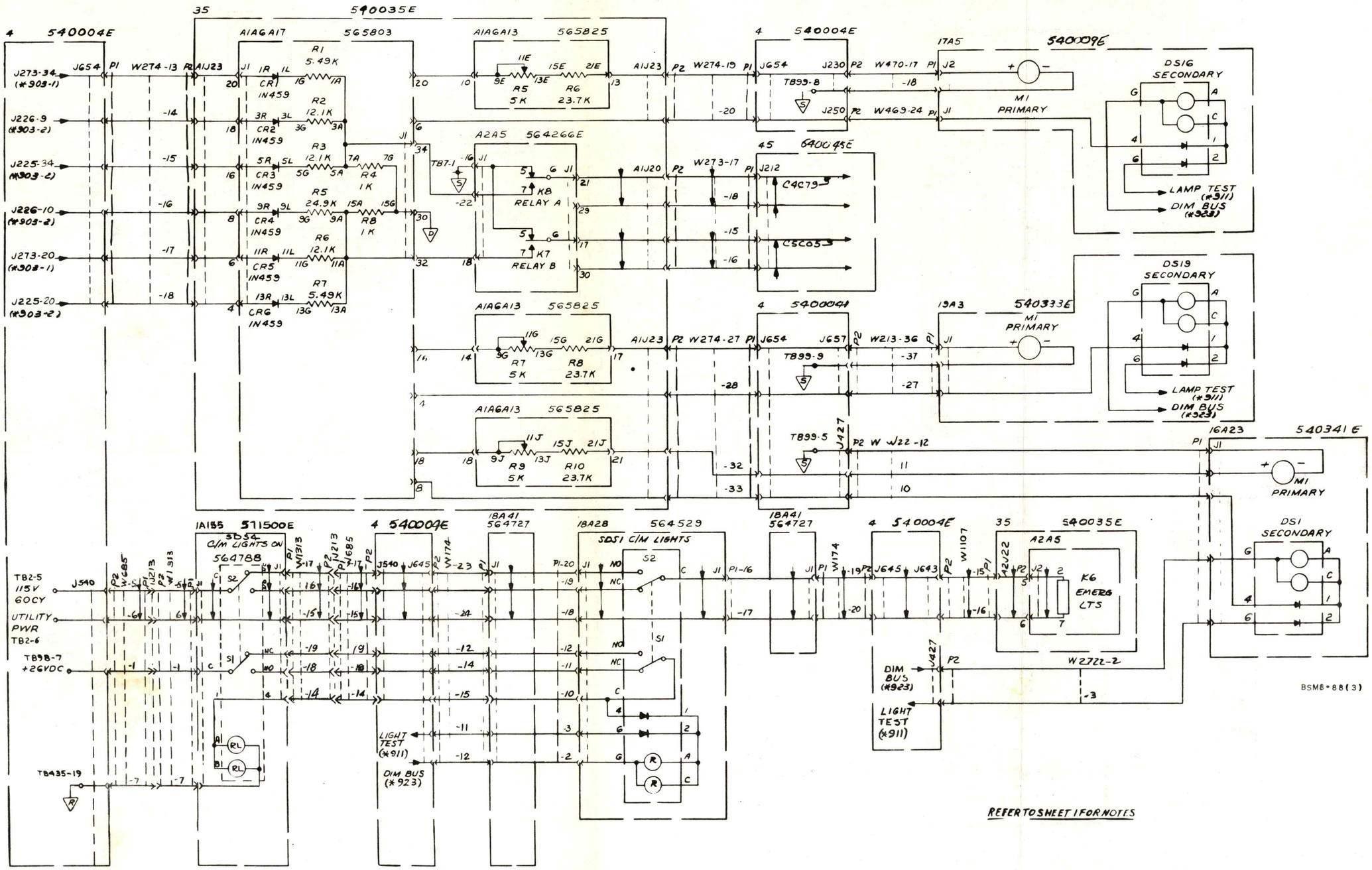
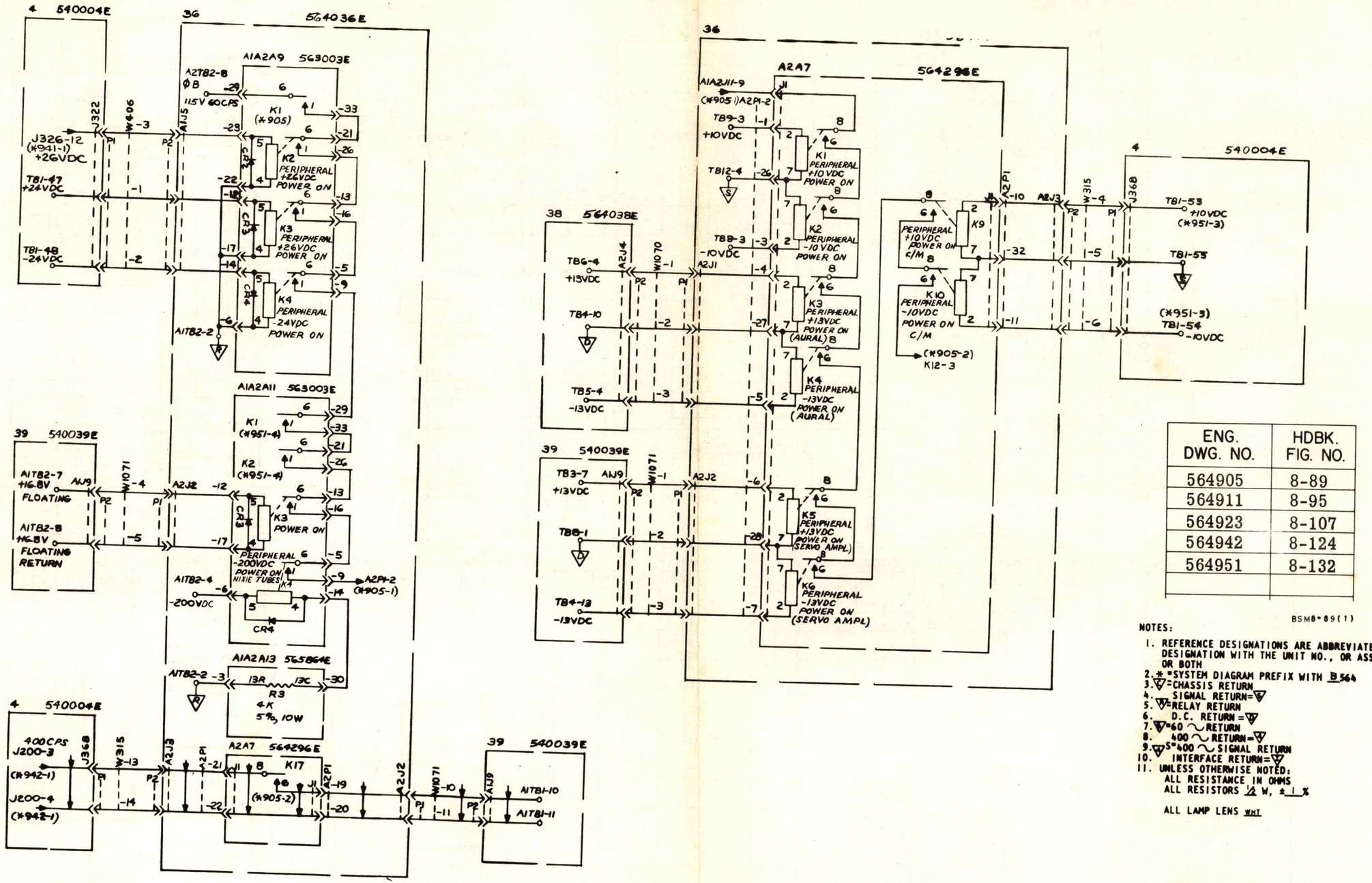


Figure 8-88. C/M Flood Lighting System (Sheet 3 of 3)



ENG. DWG. NO.	HDBK. FIG. NO.
564905	8-89
564911	8-95
564923	8-107
564942	8-124
564951	8-132

BSM8-89(1)

NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. * "SYSTEM DIAGRAM PREFIX WITH B564
3. ▽ = CHASSIS RETURN
4. SIGNAL RETURN = ▽
5. ▽ = RELAY RETURN
6. D.C. RETURN = ▽
7. ▽ = 60 ~ RETURN
8. 400 ~ RETURN = ▽
9. S = 400 ~ SIGNAL RETURN
10. INTERFACE RETURN = ▽
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS ½ W, ± 1 %

    ALL LAMP LENS WHT

Figure 8-89. System Diagram Sequencing Relays (Sheet 1 of 2)

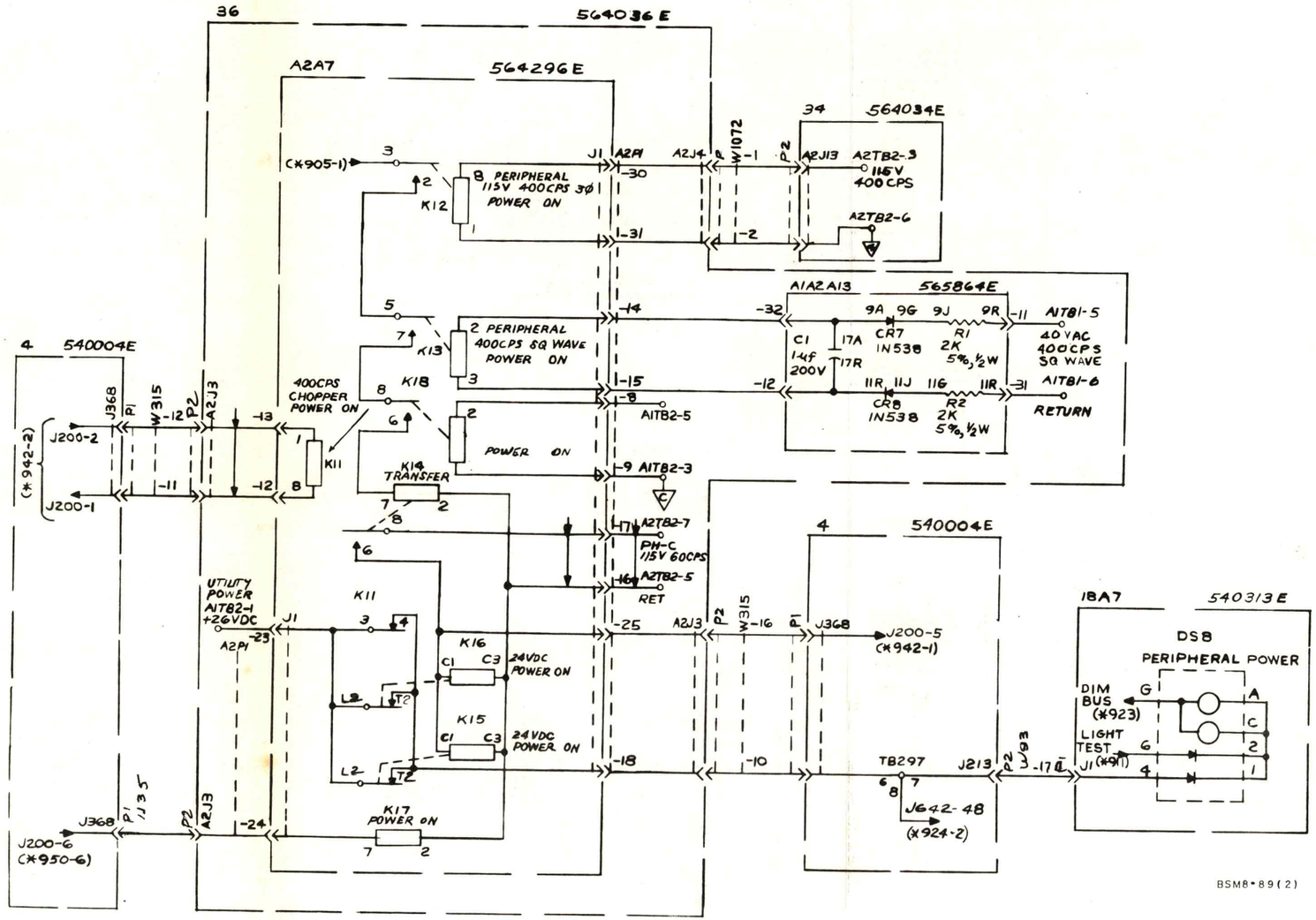
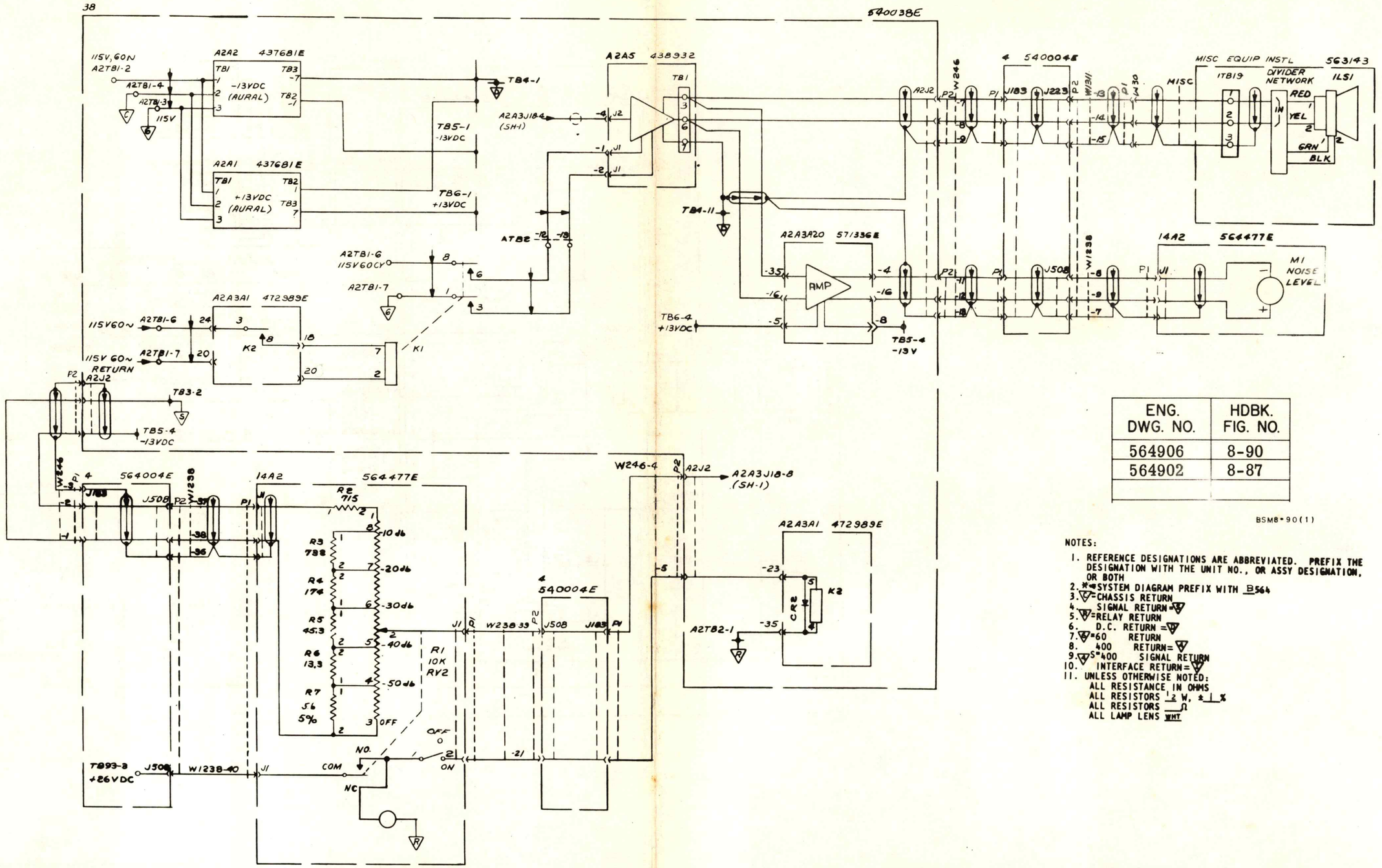


Figure 8-89. System Diagram Sequencing Relays (Sheet 2 of 2)



ENG. DWG. NO.	HDBK. FIG. NO.
564906	8-90
564902	8-87

BSM8-90(1)

NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. *=SYSTEM DIAGRAM PREFIX WITH B564
3. ▽=CHASSIS RETURN
4. SIGNAL RETURN=▽
5. ▽=RELAY RETURN
6. D.C. RETURN =▽
7. ▽=60 RETURN
8. 400 RETURN=▽
9. S=400 SIGNAL RETURN
10. INTERFACE RETURN=▽
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS 1/2 W, ± 1 %
    ALL RESISTORS ___Ω
    ALL LAMP LENS WHT

Figure 8-90. Aural Cue (Sheet 1 of 4)

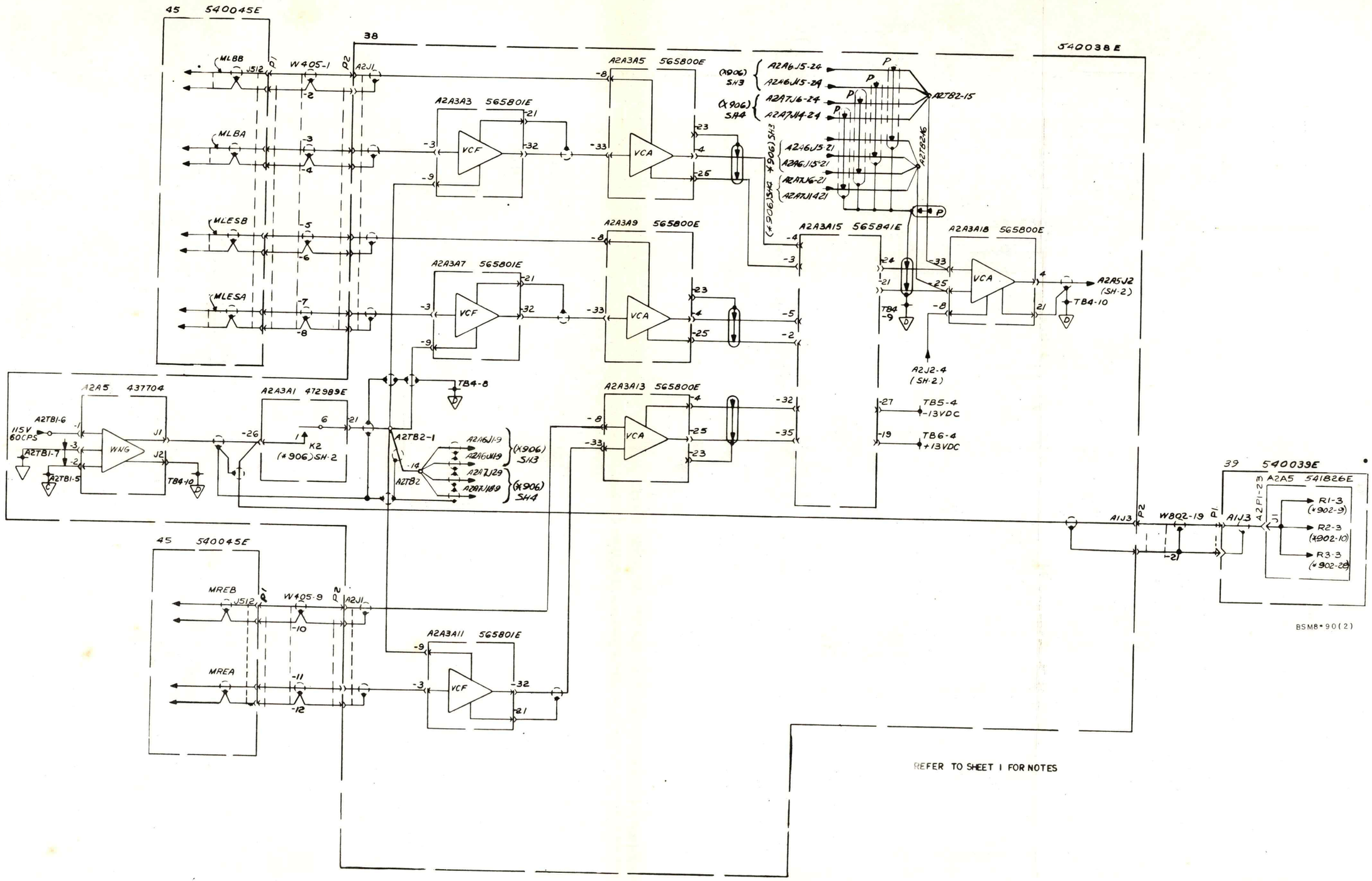
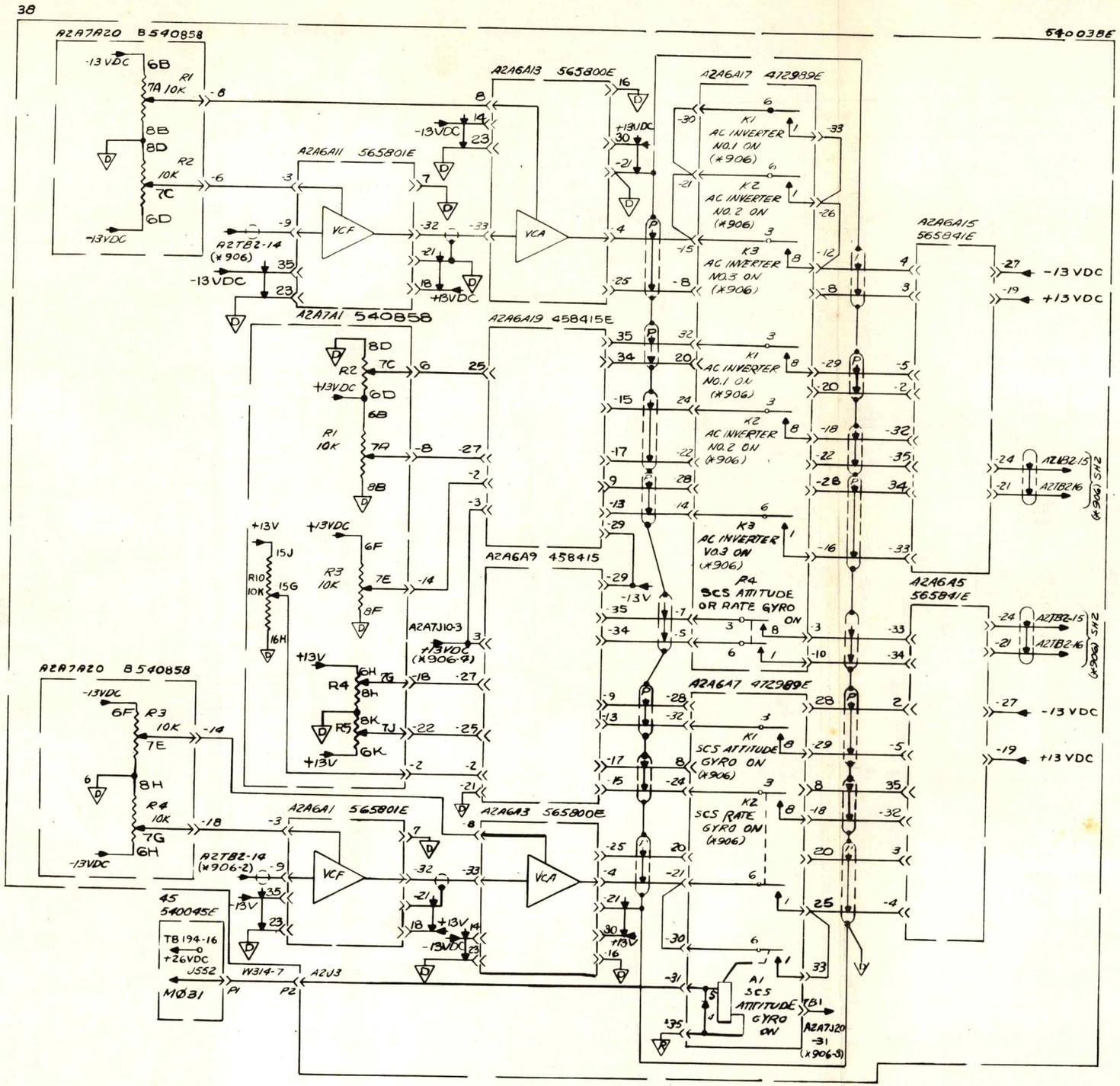


Figure 8-90. Aural Cue (Sheet 2 of 4)



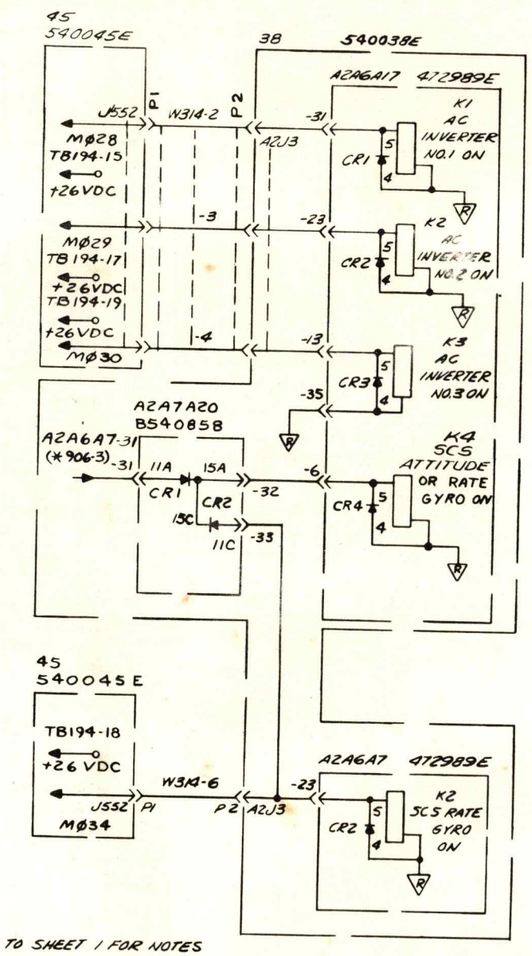
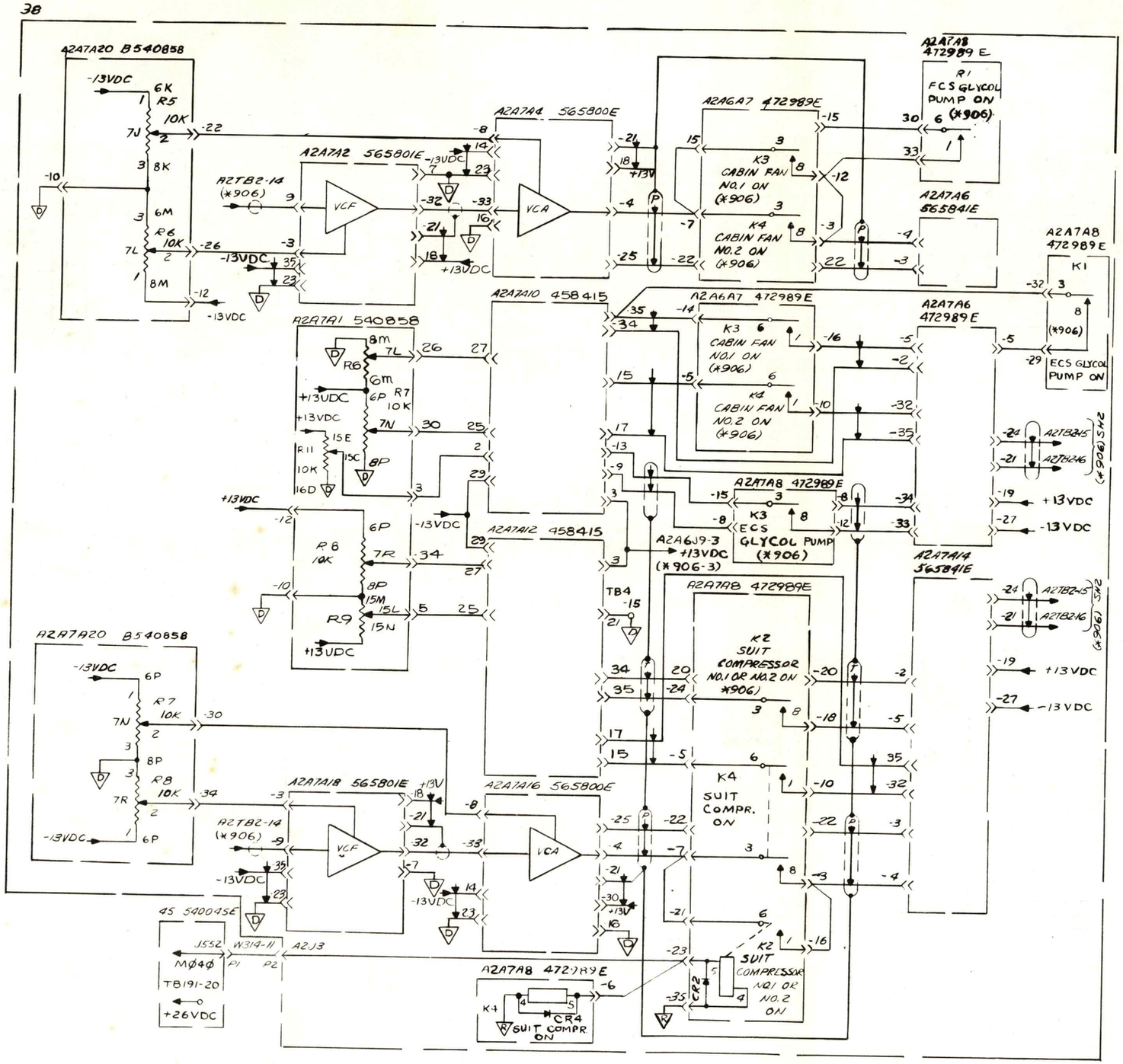
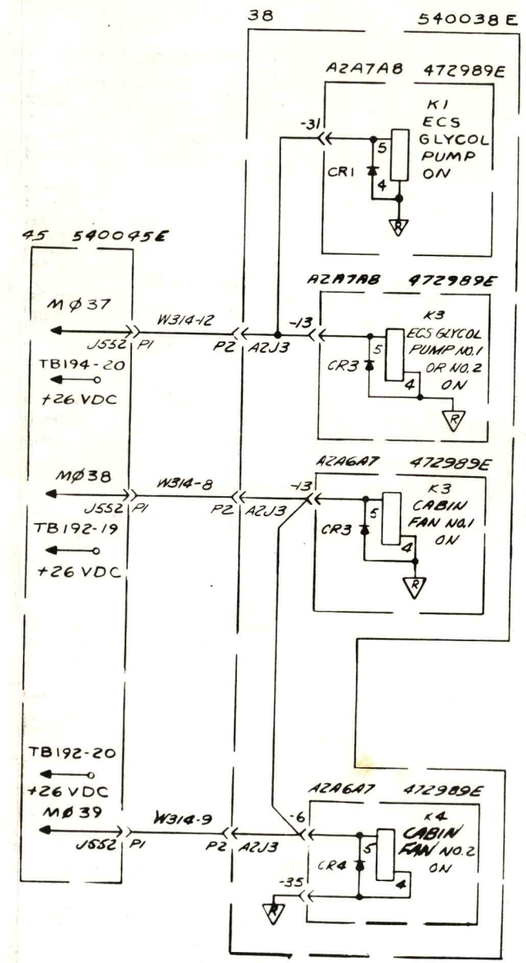


Figure 8-90. Aural Cue (Sheet 3 of 4)

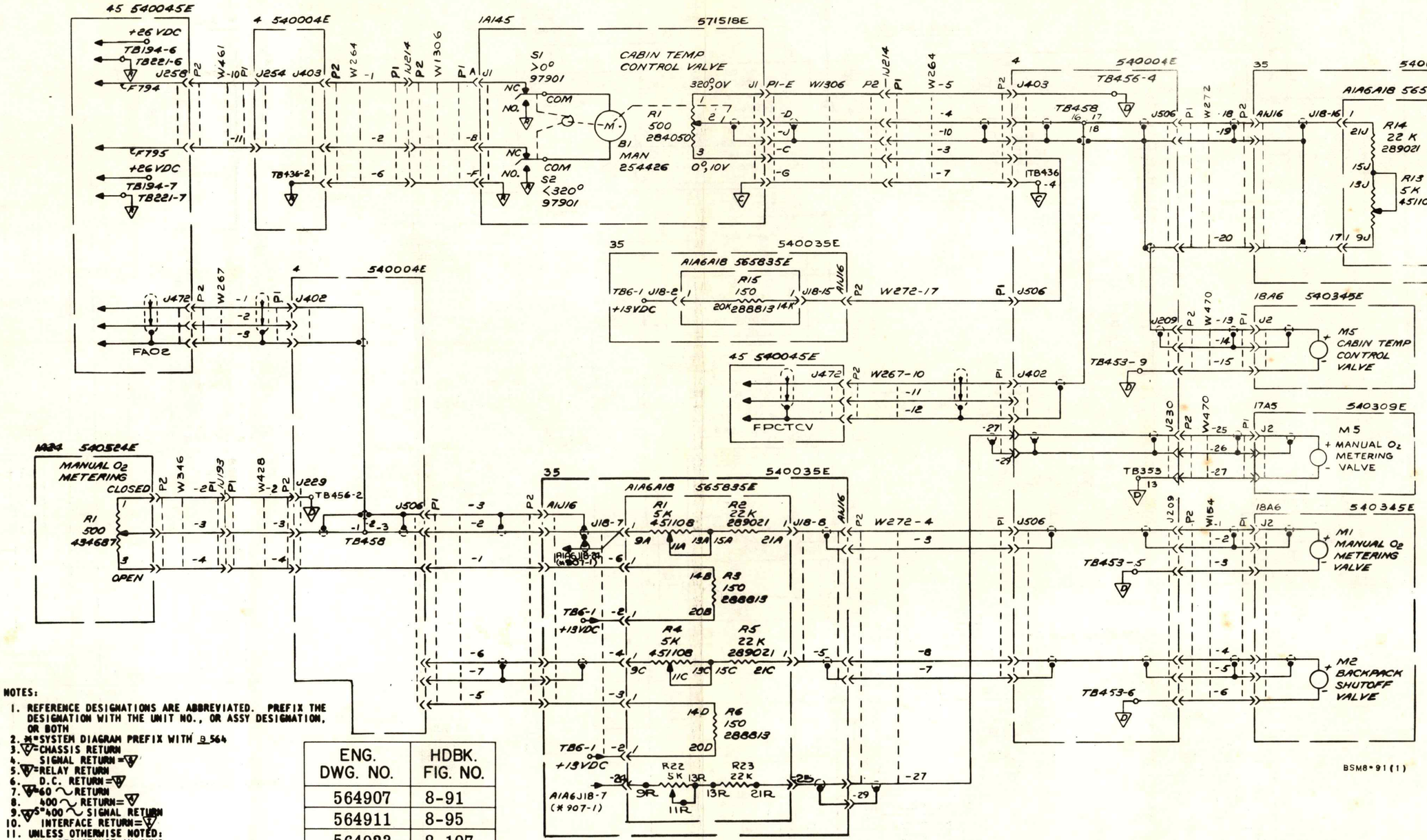




REFER TO SHEET 1 FOR NOTES

BSM8•90(4)

Figure 8-90. Aural Cue (Sheet 4 of 4)



NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. M=SYSTEM DIAGRAM PREFIX WITH B 564
3. ▽=CHASSIS RETURN
4. SIGNAL RETURN=▽
5. ▽=RELAY RETURN
6. D.C. RETURN=▽
7. ▽=60 ~ RETURN
8. 400 ~ RETURN=▽
9. ▽S=400 ~ SIGNAL RETURN
10. INTERFACE RETURN=▽
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS 1/2 W, ± 1 %
    ALL RESISTORS ___Ω
    ALL LAMP LENS WHT
12. ALL IJ CONNECTORS LOCATED ON C/M DISCONNECT PANELS.

ENG. DWG. NO.	HDBK. FIG. NO.
564907	8-91
564911	8-95
564923	8-107

Figure 8-91. SK MV 1-37 ECS System (Sheet 1 of 17)

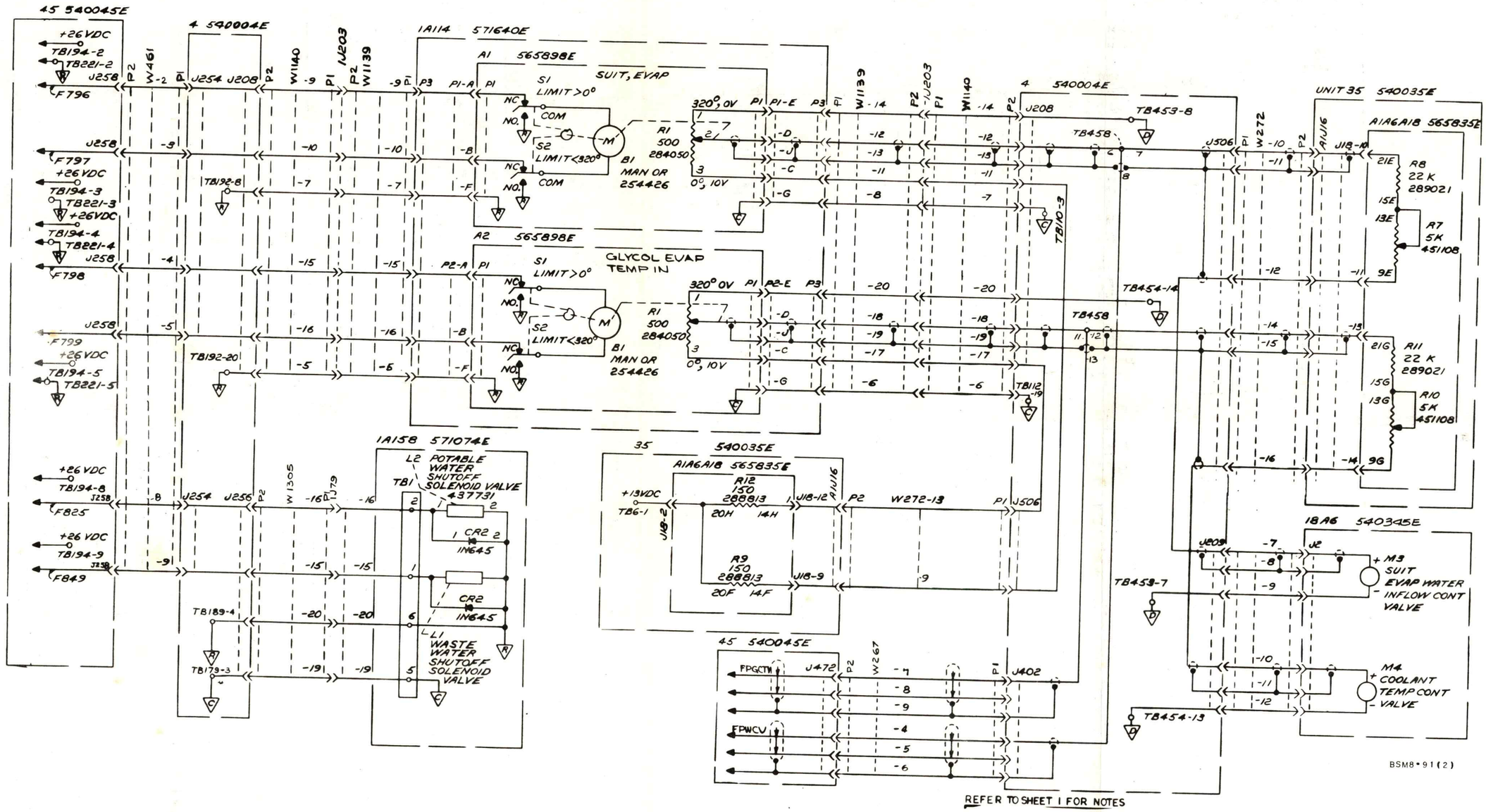


Figure 8-91. SK MV 1-37 ECS System (Sheet 2 of 17)

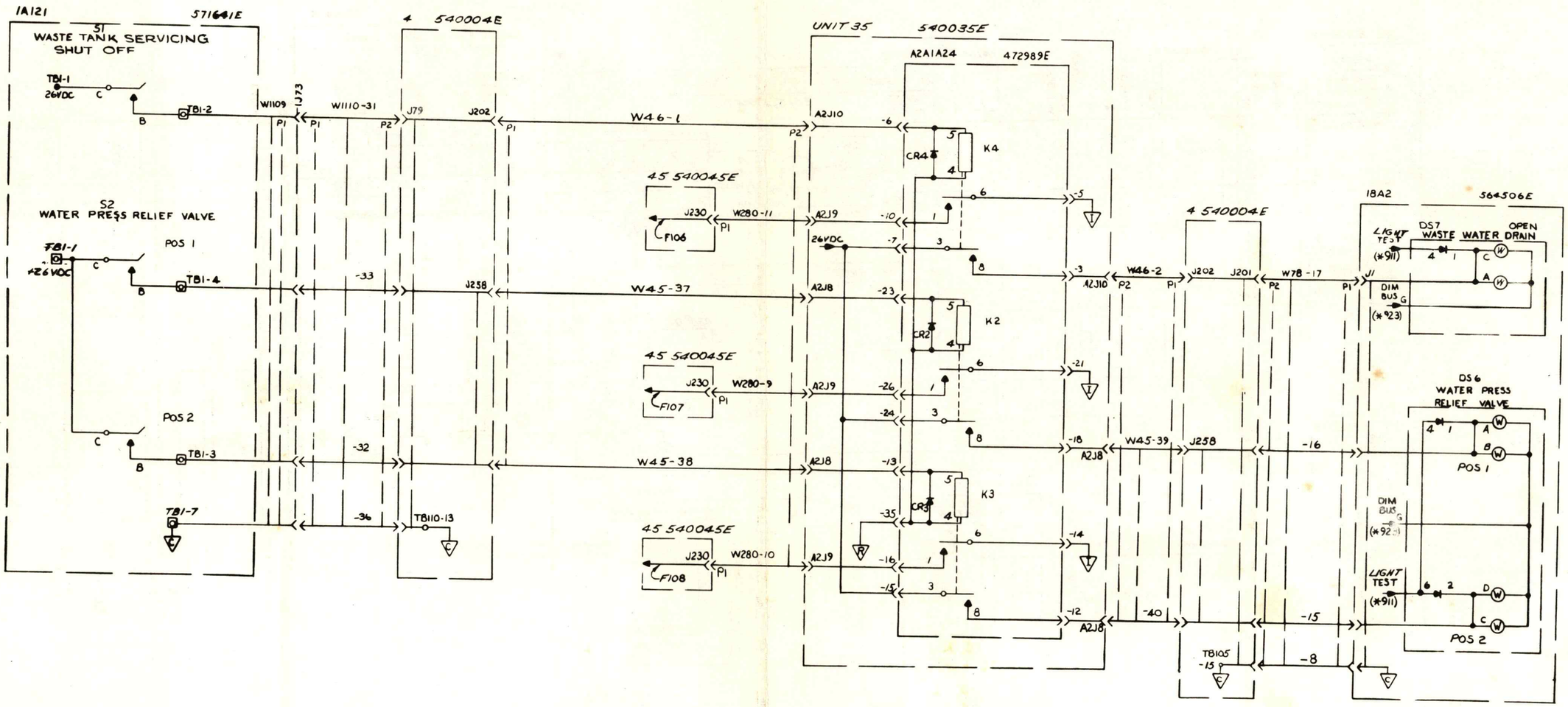
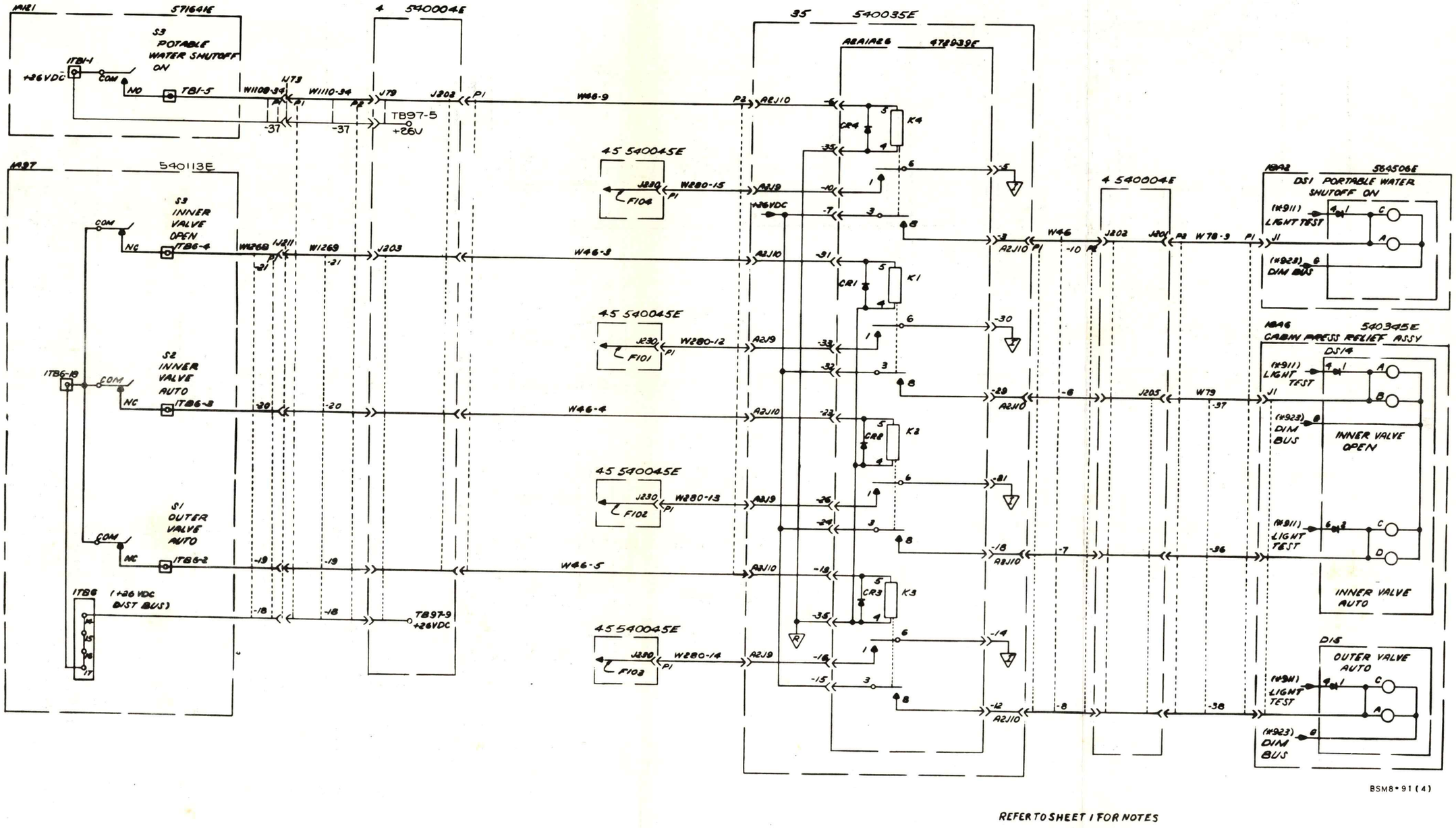


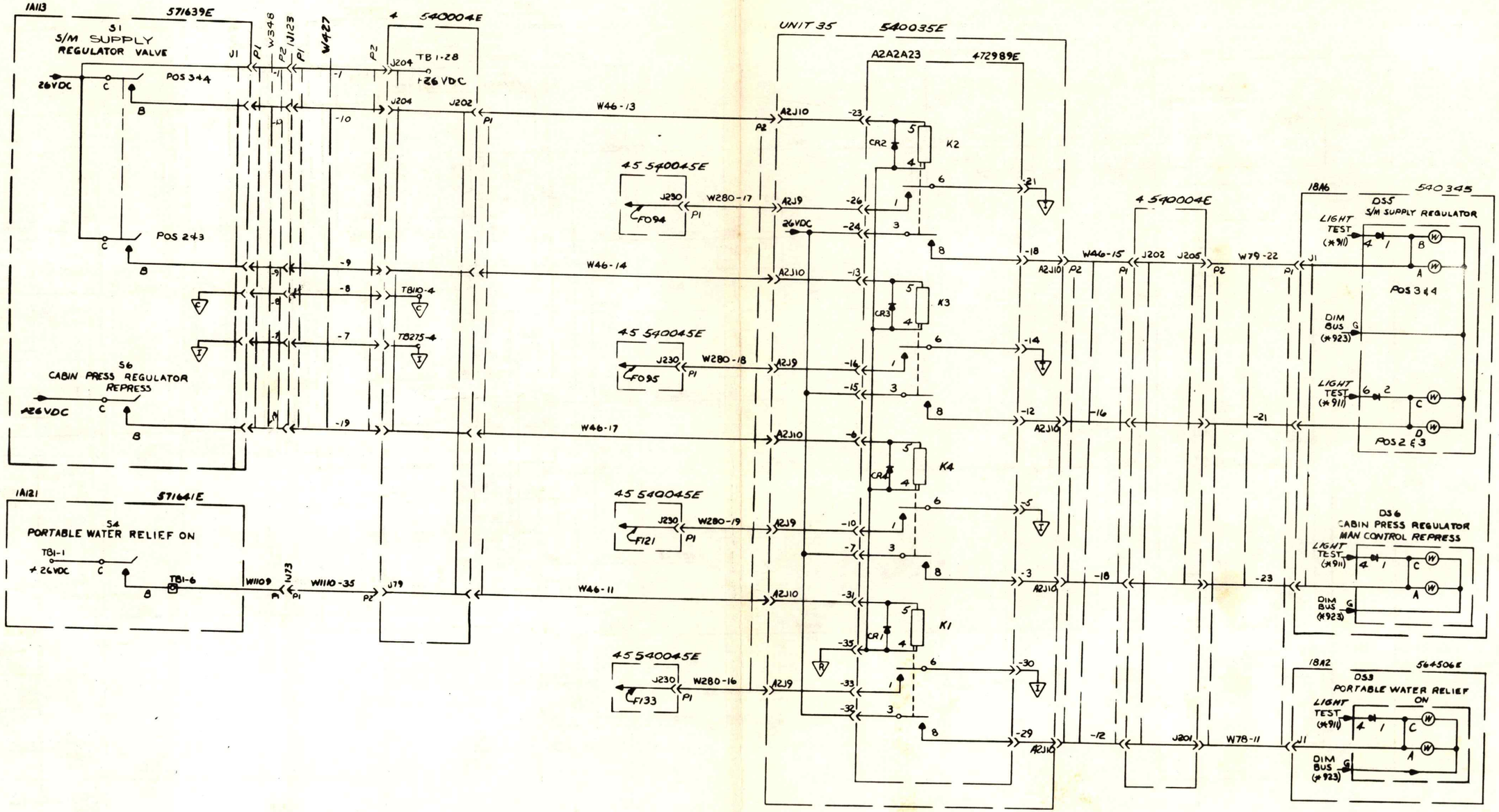
Figure 8-91. SK MV 1-37 ECS System (Sheet 3 of 17)



BSM8•91(4)

REFER TO SHEET 1 FOR NOTES

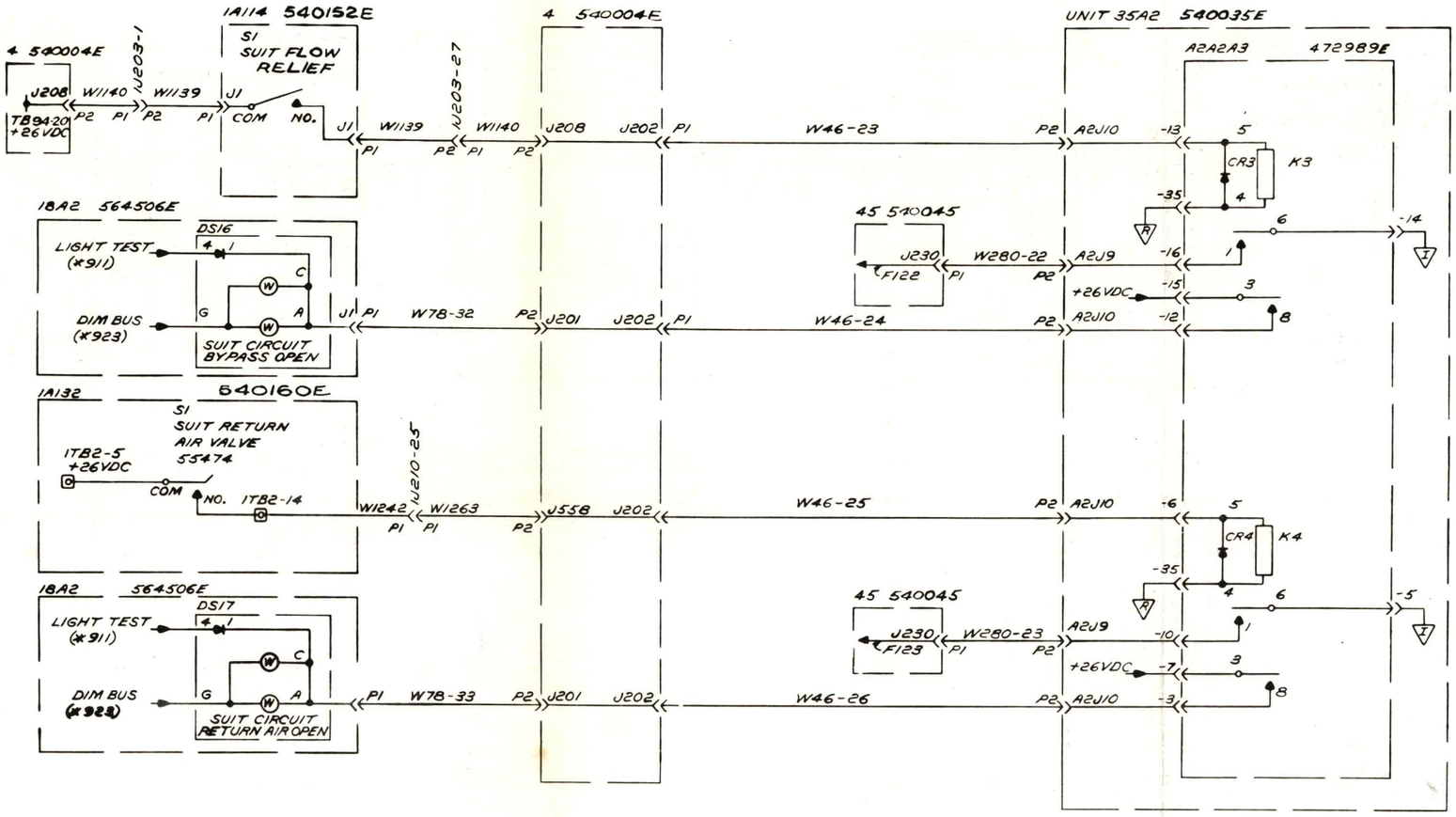
Figure 8-91. SK MV 1-37 ECS System (Sheet 4 of 17)



REFER TO SHEET 1 FOR NOTES

BSM8-91(5)

Figure 8-91. SK MV 1-37 ECS System (Sheet 5 of 17)



BSM8-91(6)

Figure 8-91. SK MV 1-37 ECS System (Sheet 6 of 17)

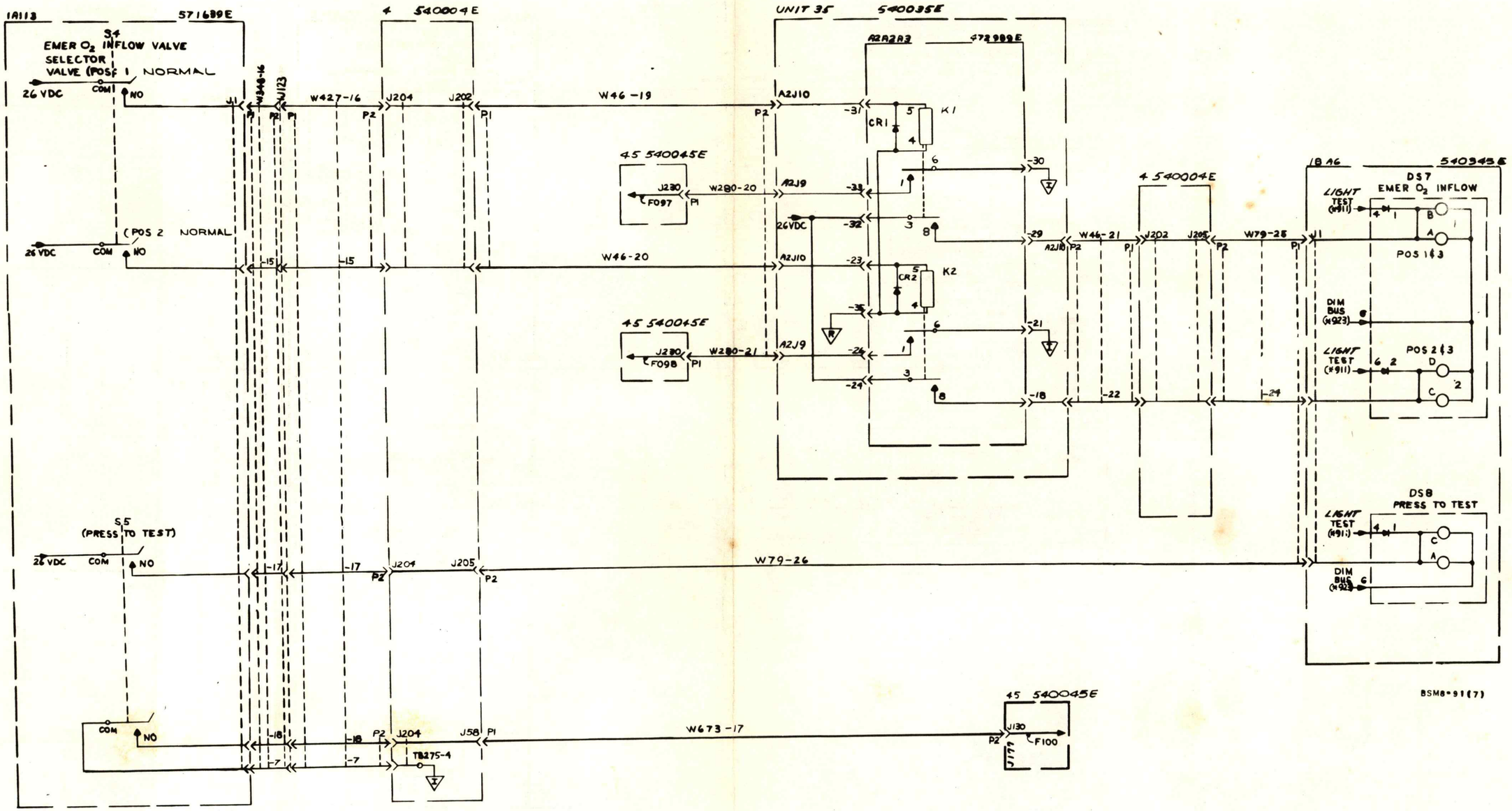
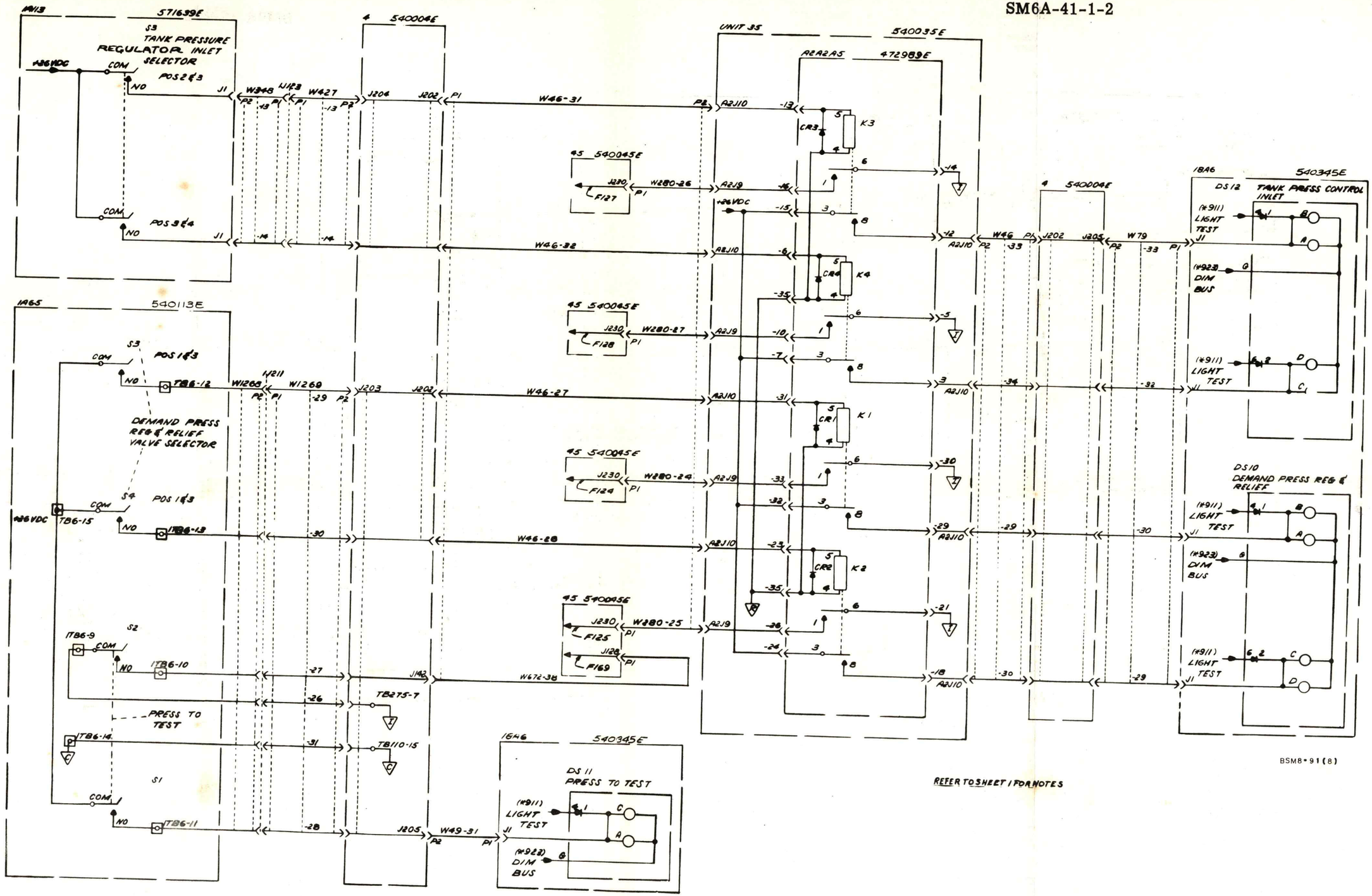


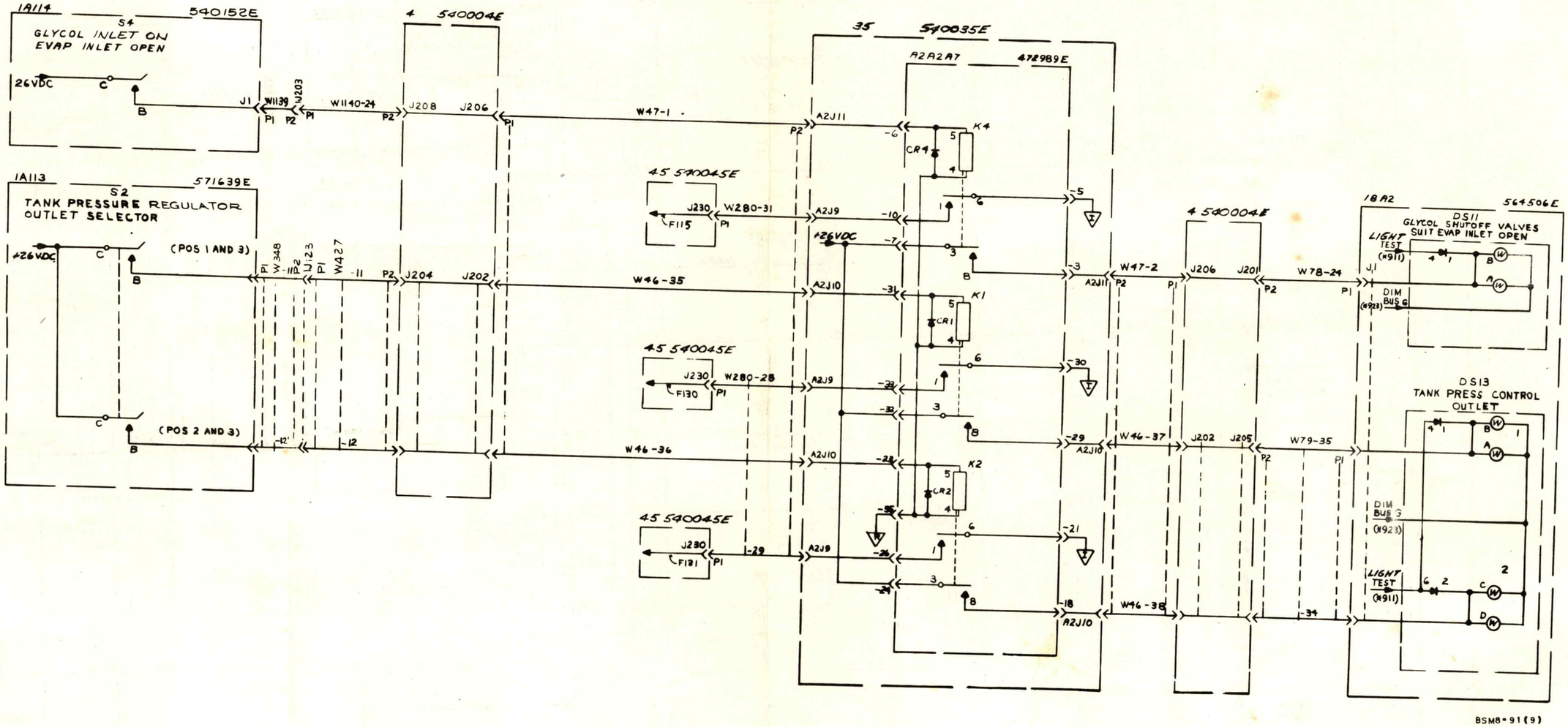
Figure 8-91. SK MV 1-37 ECS System (Sheet 7 of 17)



BSM8•91(8)

REFER TO SHEET 1 FOR NOTES

Figure 8-91. SK MV 1-37 ECS System (Sheet 8 of 17)



BSM8-91(9)

Figure 8-91. SK MV 1-37 ECS System (Sheet 9 of 17)

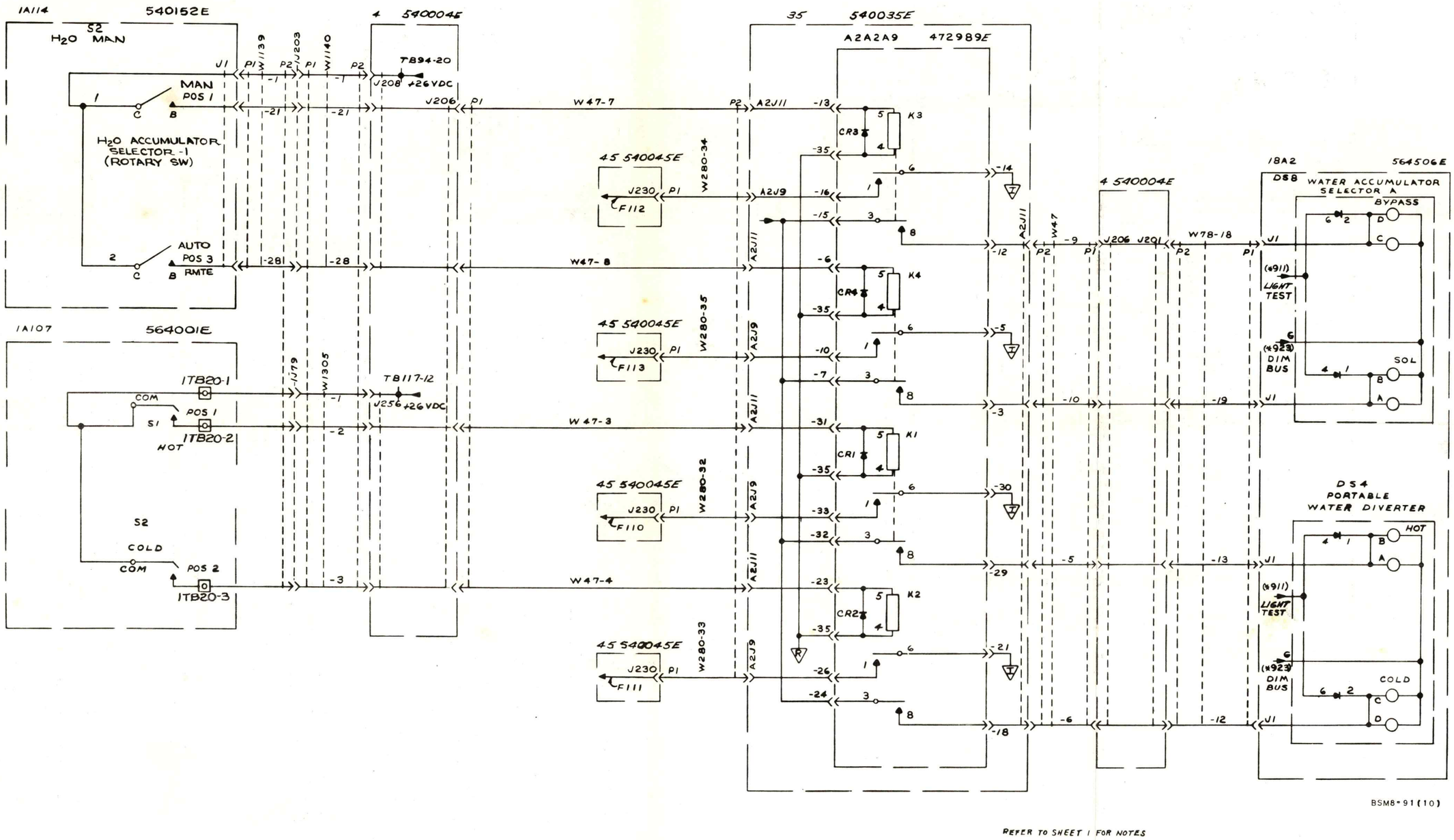


Figure 8-91. SK MV 1-37 ECS System (Sheet 10 of 17)

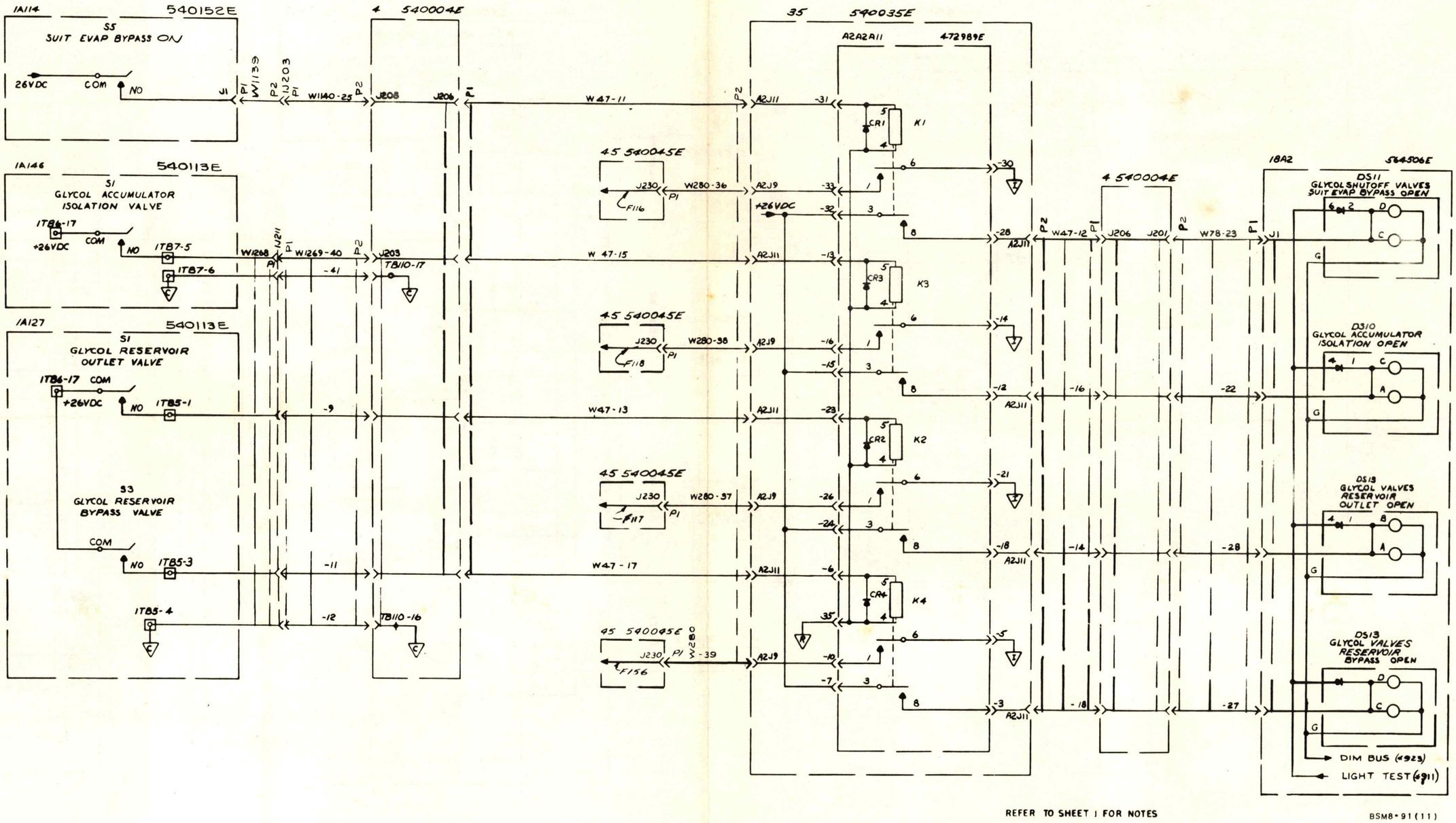
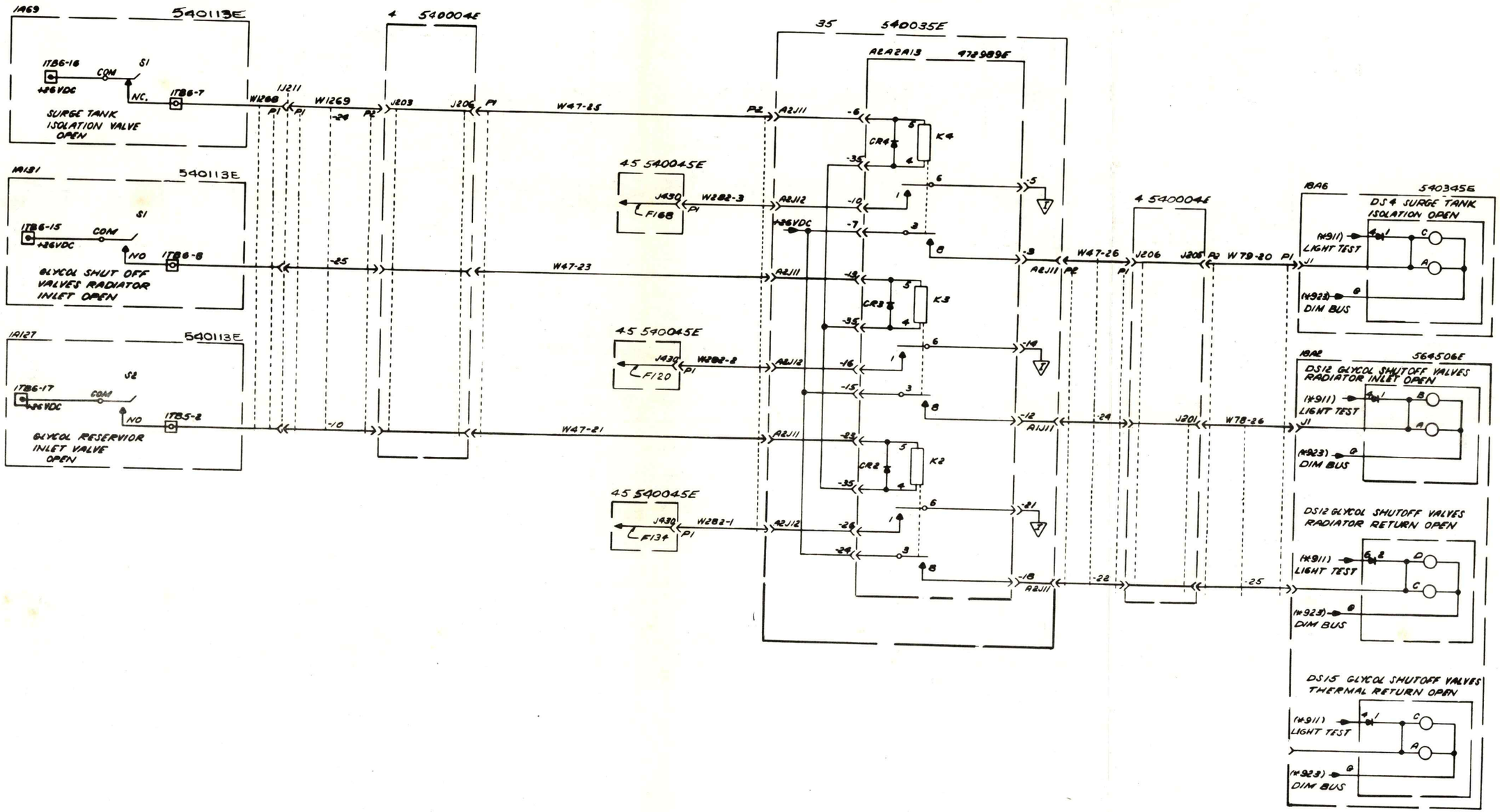
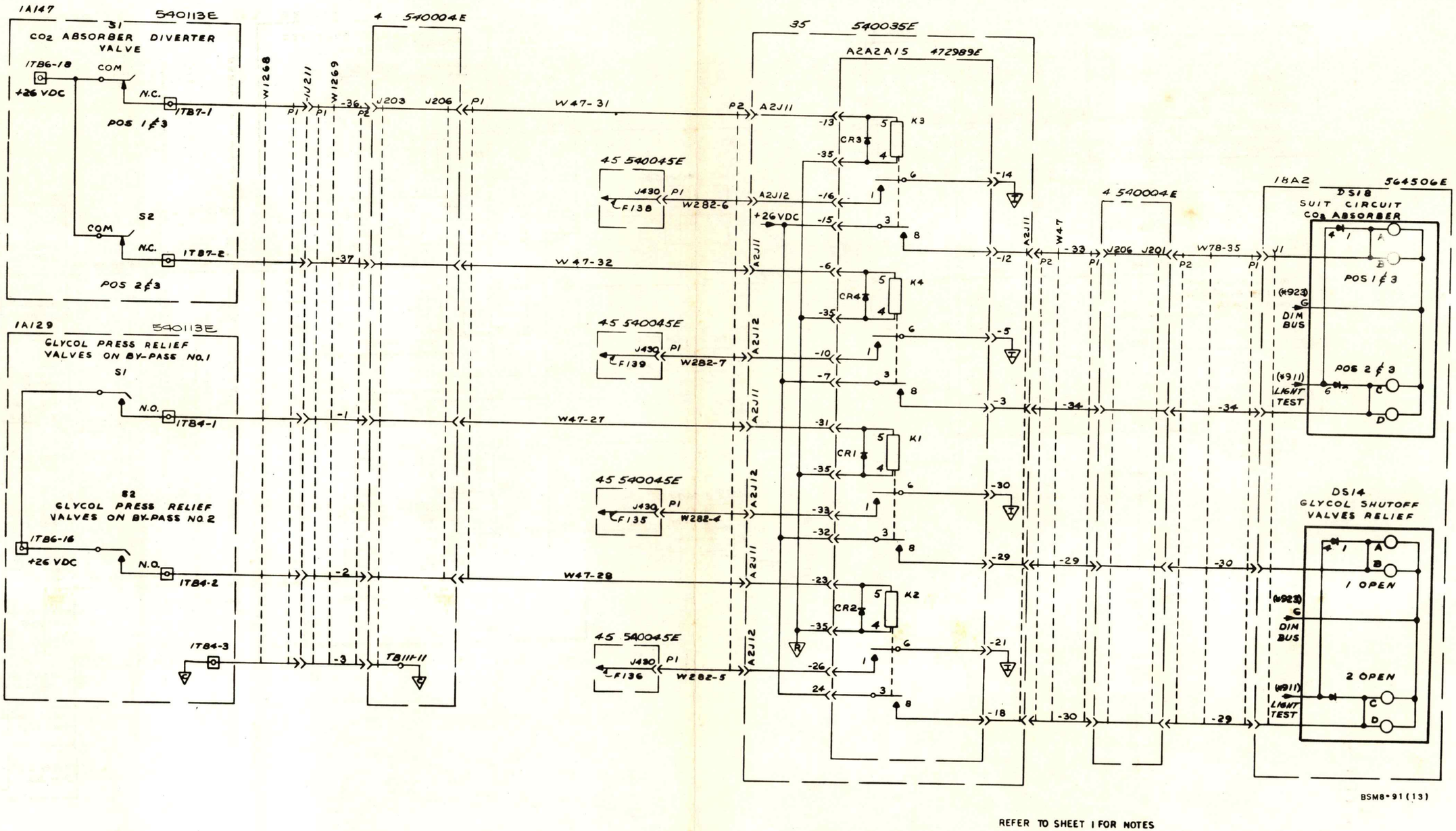


Figure 8-91. SK MV 1-37 ECS System (Sheet 11 of 17)



REFER TO SHEET 1 FOR NOTES

Figure 8-91. SK MV 1-37 ECS System (Sheet 12 of 17)



BSM8-91(13)

REFER TO SHEET 1 FOR NOTES

Figure 8-91. SK MV 1-37 ECS System (Sheet 13 of 17)

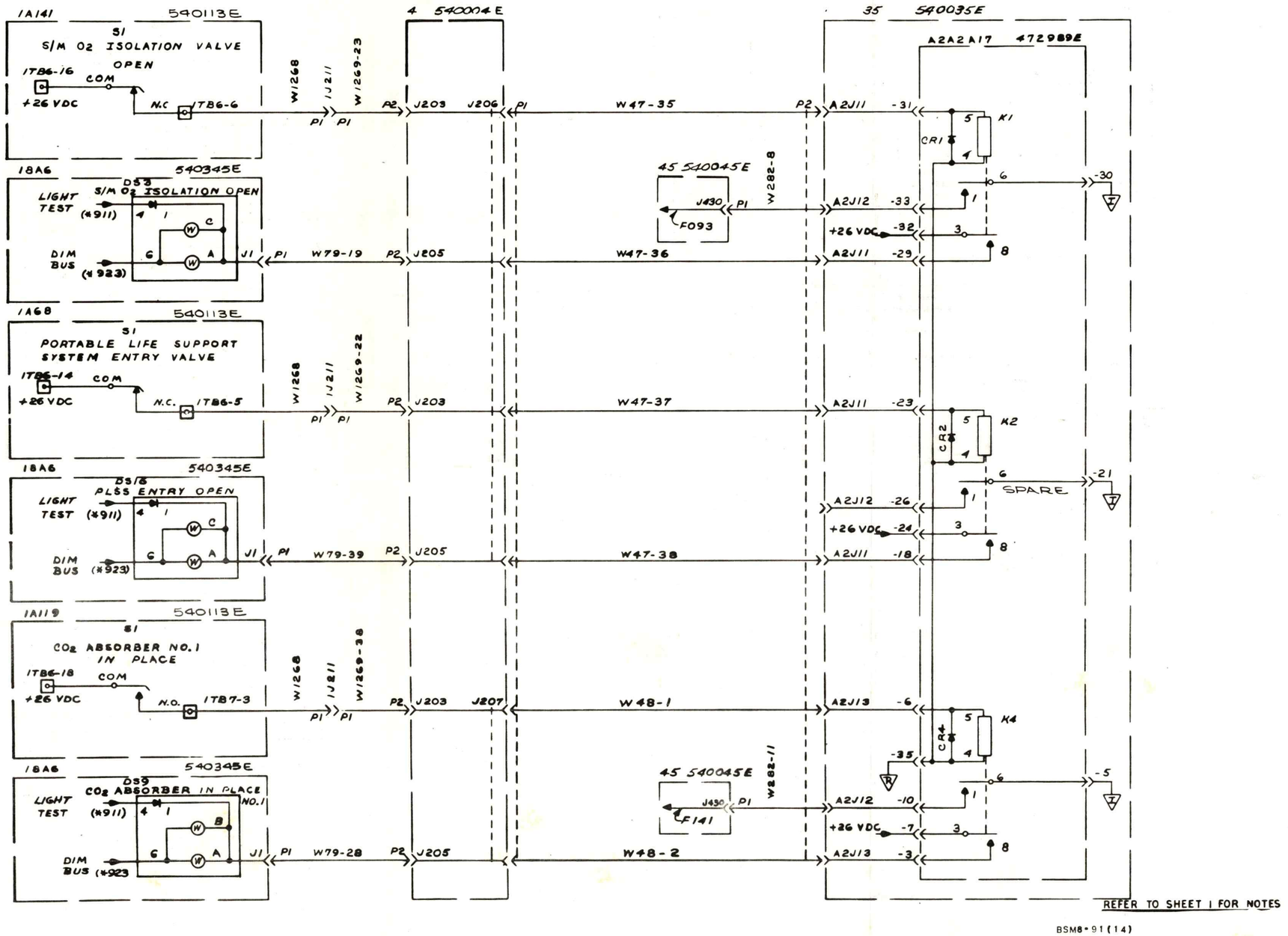
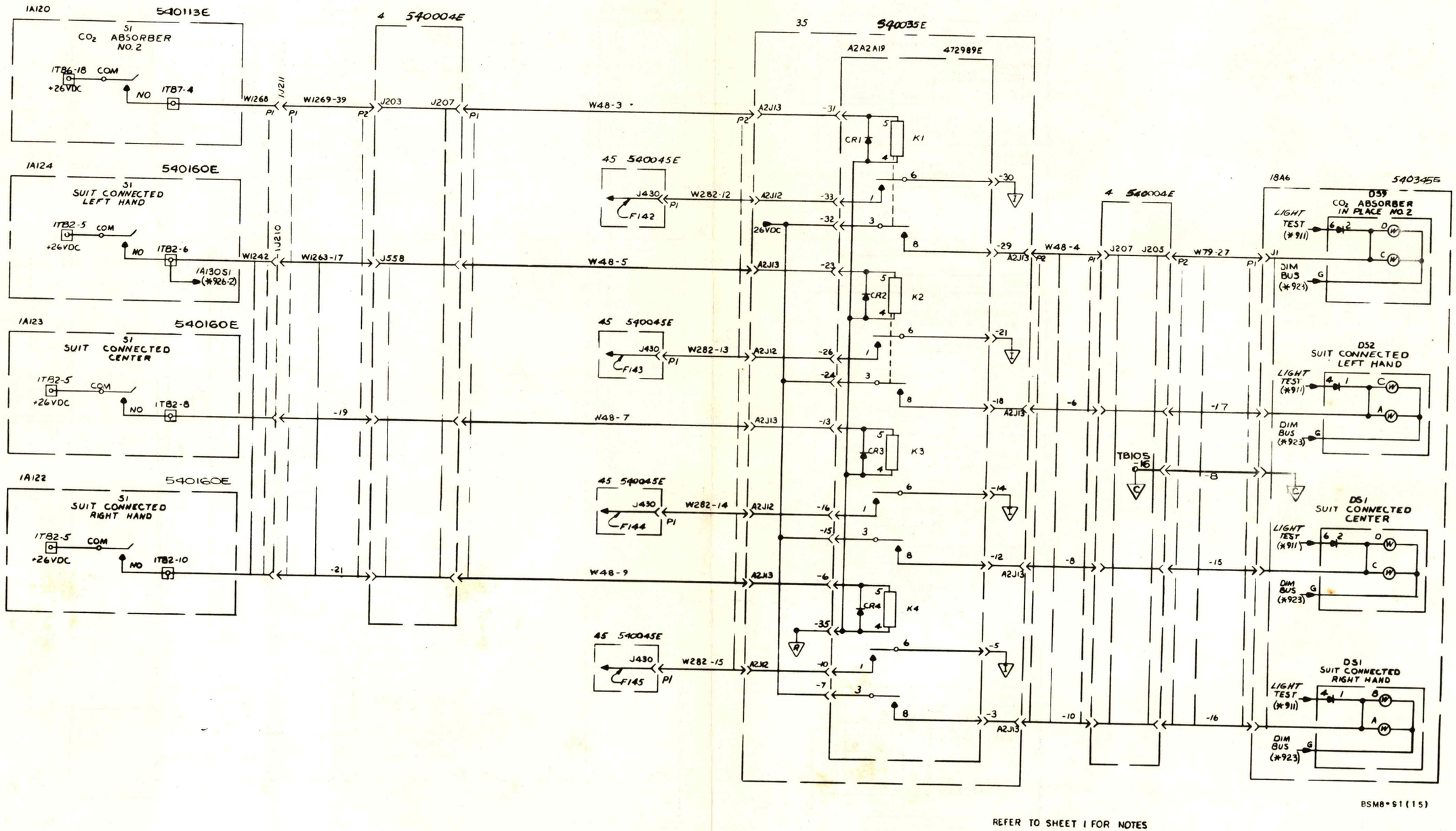


Figure 8-91. SK MV 1-37 ECS System (Sheet 14 of 17)



REFER TO SHEET 1 FOR NOTES

Figure 8-91. SK MV 1-37 ECS System (Sheet 15 of 17)

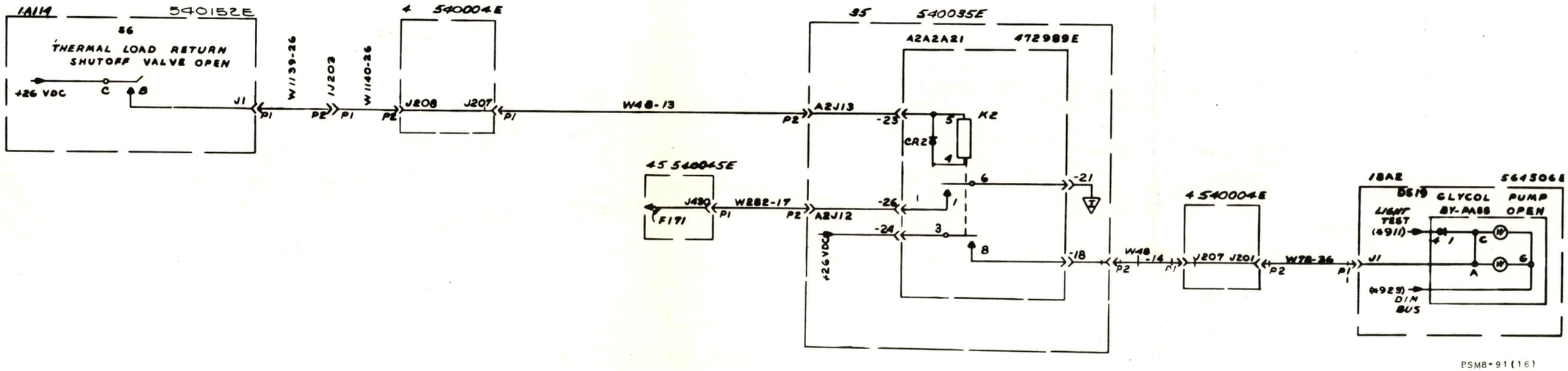
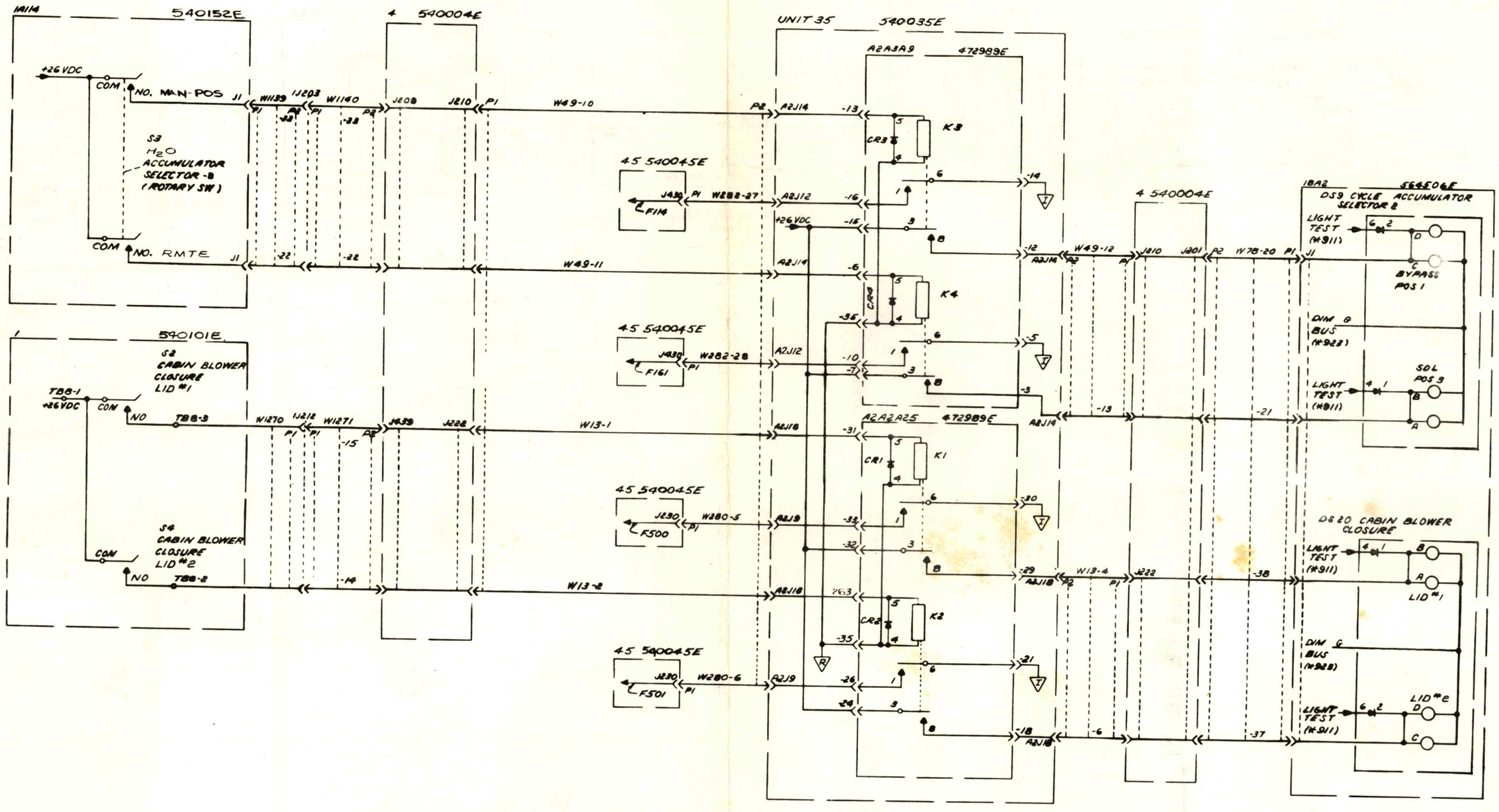


Figure 8-91. SK MV 1-37 ECS System (Sheet 16 of 17)

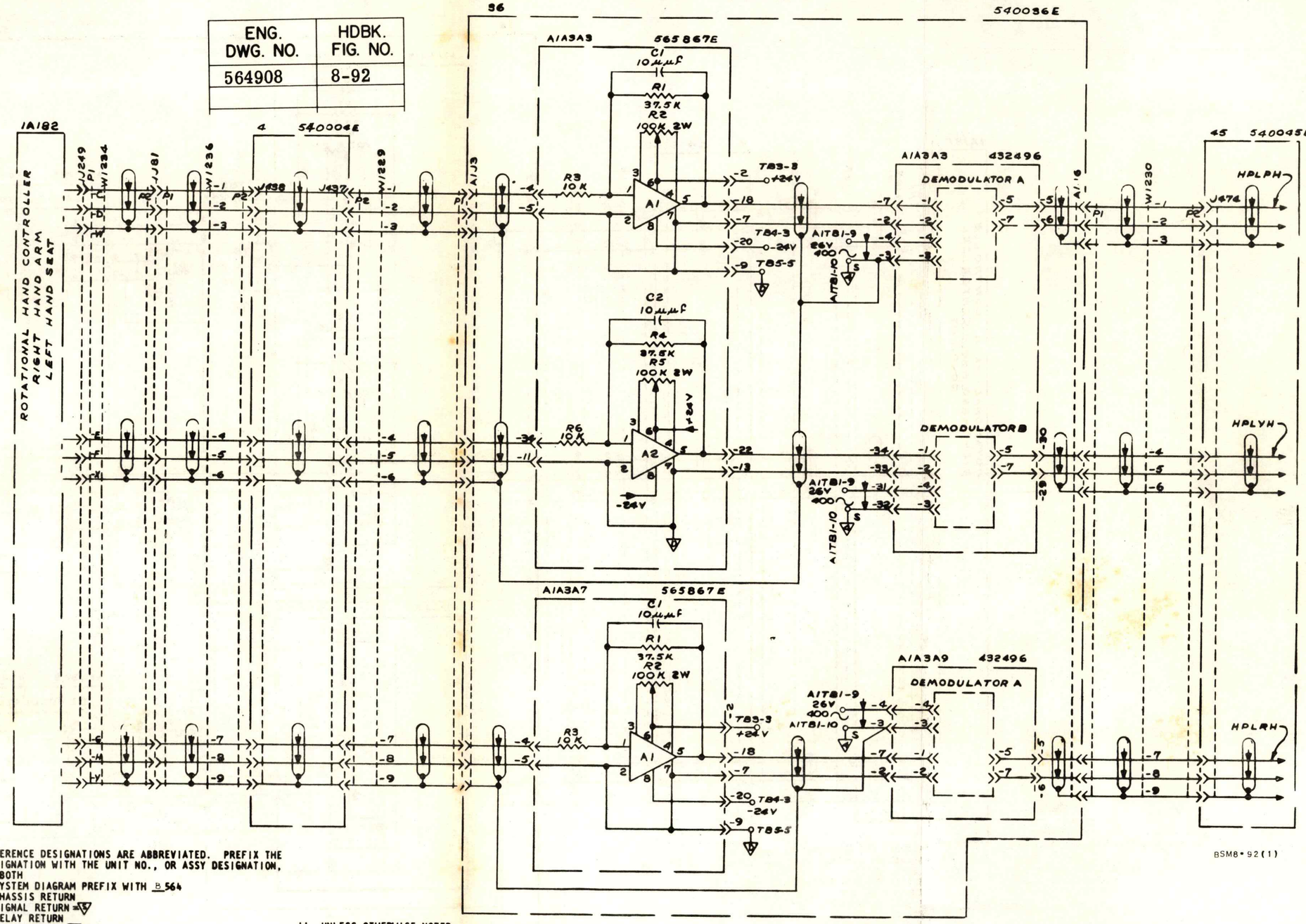


BSM8-91(17)

REFER TO SHEET 1 FOR NOTES

Figure 8-91. SK MV 1-37 ECS System (Sheet 17 of 17)

ENG. DWG. NO.	HDBK. FIG. NO.
564908	8-92



NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. * = SYSTEM DIAGRAM PREFIX WITH B 564
3. ▽ = CHASSIS RETURN
4. SIGNAL RETURN = ▽
5. ▽ = RELAY RETURN
6. D.C. RETURN = ▽
7. ▽ = 60 ∿ RETURN
8. 400 ∿ RETURN = ▽
9. ▽ S = 400 ∿ SIGNAL RETURN
10. INTERFACE RETURN = ▽

11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS ½ W, ± 1 %
    ALL RESISTORS ___ Ω
    ALL LAMP LENS WHT

BSM8-92(1)

Figure 8-92. Rotational Hand Controller No. 1 and No. 2 (Sheet 1 of 3)

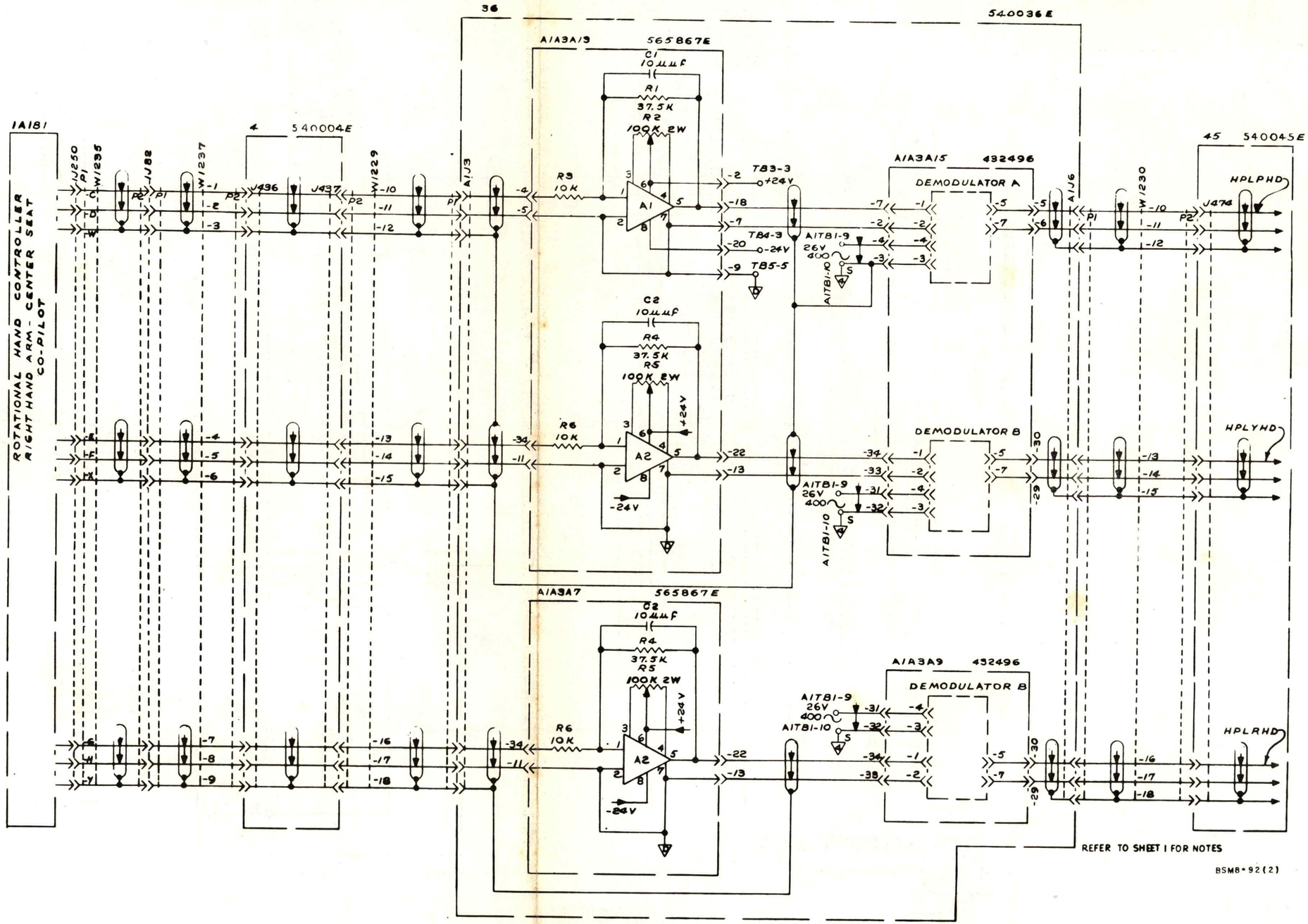
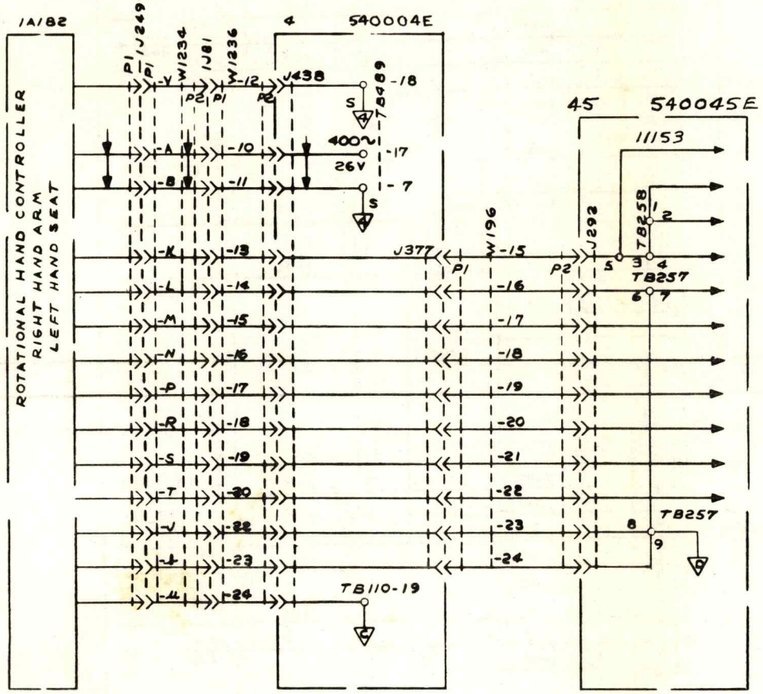


Figure 8-92. Rotational Hand Controller No. 1 and No. 2 (Sheet 2 of 3)



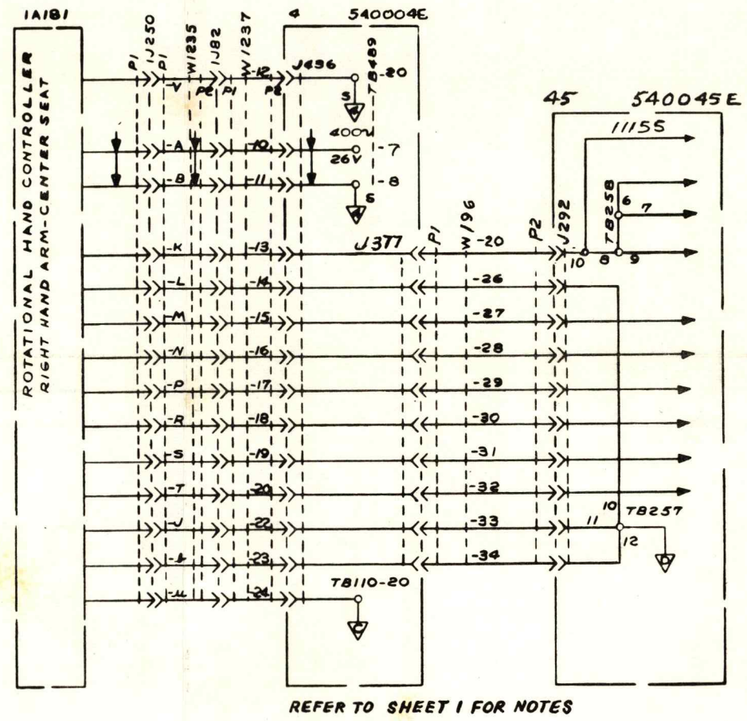
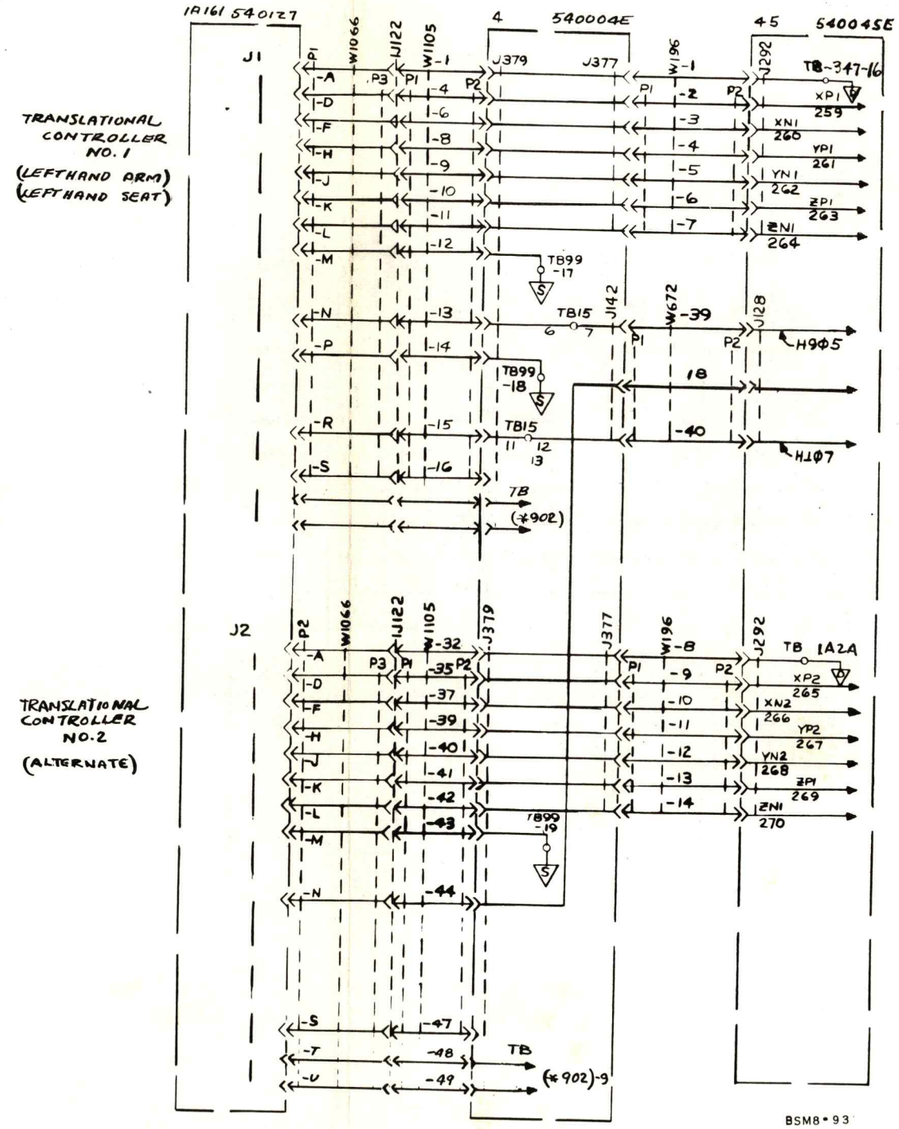
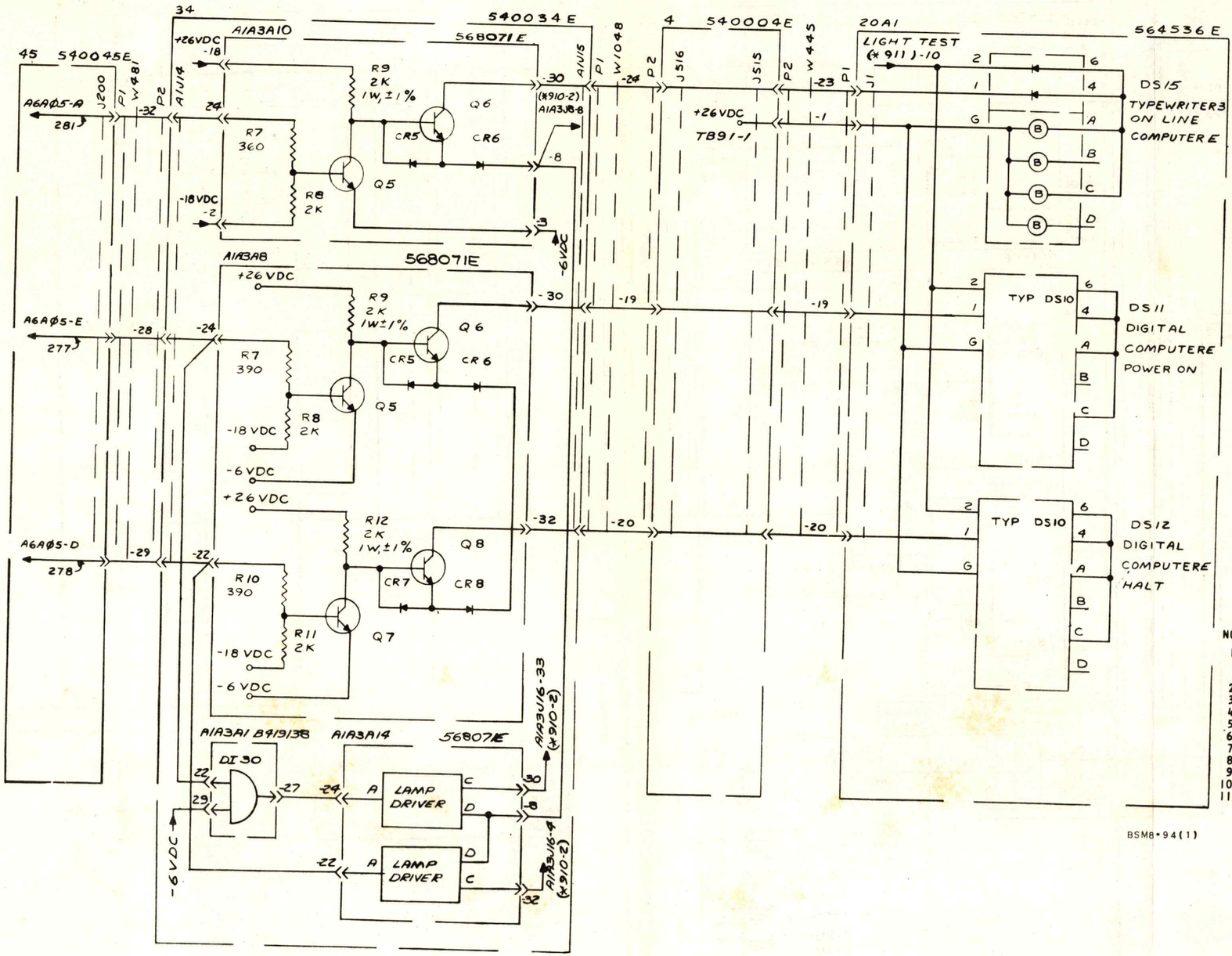


Figure 8-92. Rotational Hand Controller No. 1 and No. 2 (Sheet 3 of 3)



ENG. DWG. NO.	HDBK. FIG. NO.
564909	8-93

Figure 8-93. Translational Hand Controller No. 1 and No. 2



ENG. DWG. NO.	HDBK. FIG. NO.
564910	8-94
564911	8-95

NOTES:
1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. **SYSTEM DIAGRAM PREFIX WITH B 564
3. CHASSIS RETURN = ▽
4. ▽ = SIGNAL RETURN
5. RELAY RETURN = ▽
6. ▽ = D.C. RETURN
7. 60 ∿ RETURN = ▽
8. ▽ = 400 ∿ RETURN
9. 400 ∿ SIGNAL RETURN = S ▽
10. ▽ = INTERFACE RETURN
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS 1/2 W, ± 1 %
    ALL RESISTORS ___Ω
    ALL LAMP LENS BLUE
    ALL TRANSISTORS 2N697
    ALL DIODES 1N2070

BSM8-94(1)

Figure 8-94. Computer Status Indicator (Sheet 1 of 3)

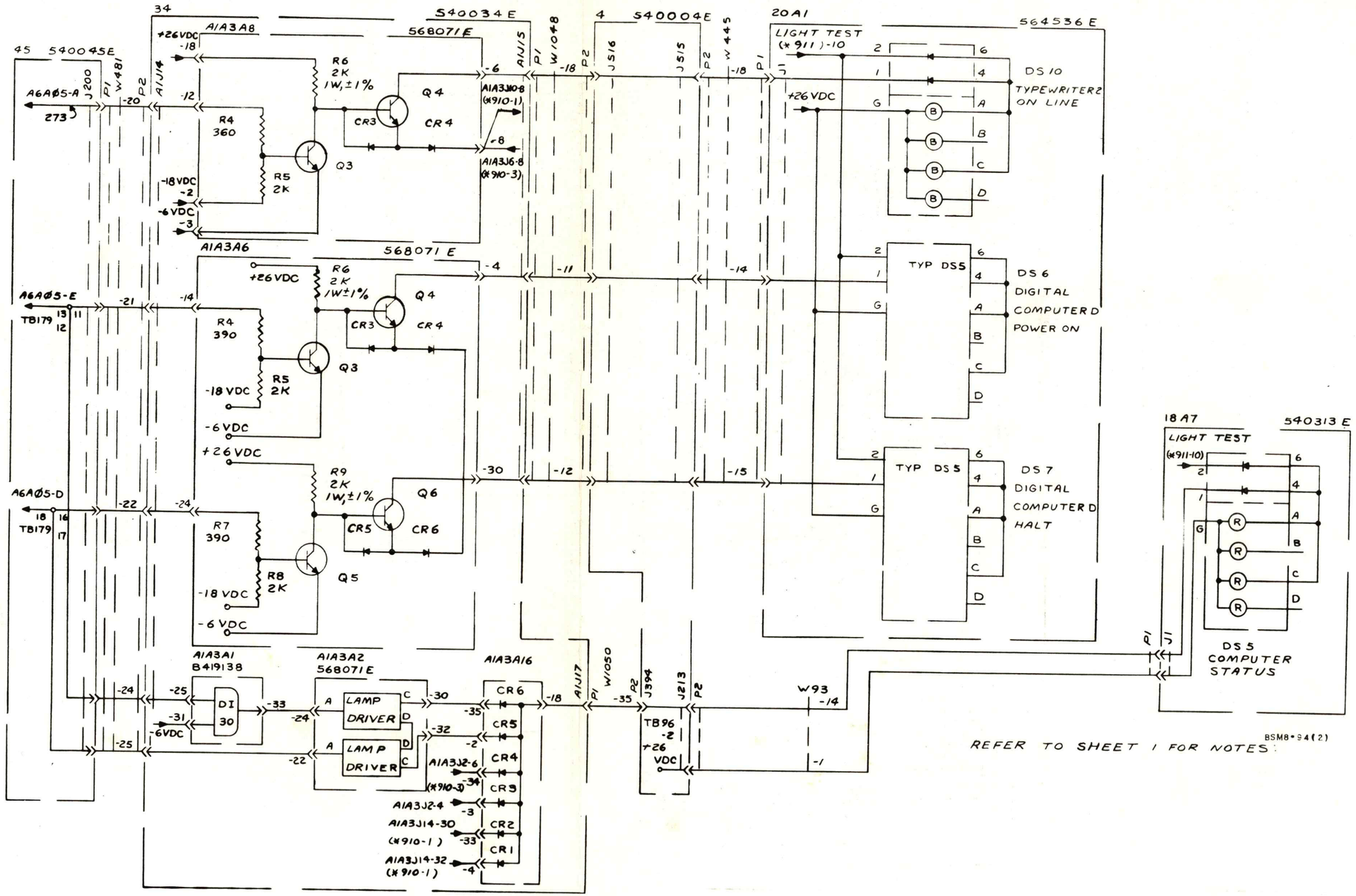


Figure 8-94. Computer Status Indicator (Sheet 2 of 3)

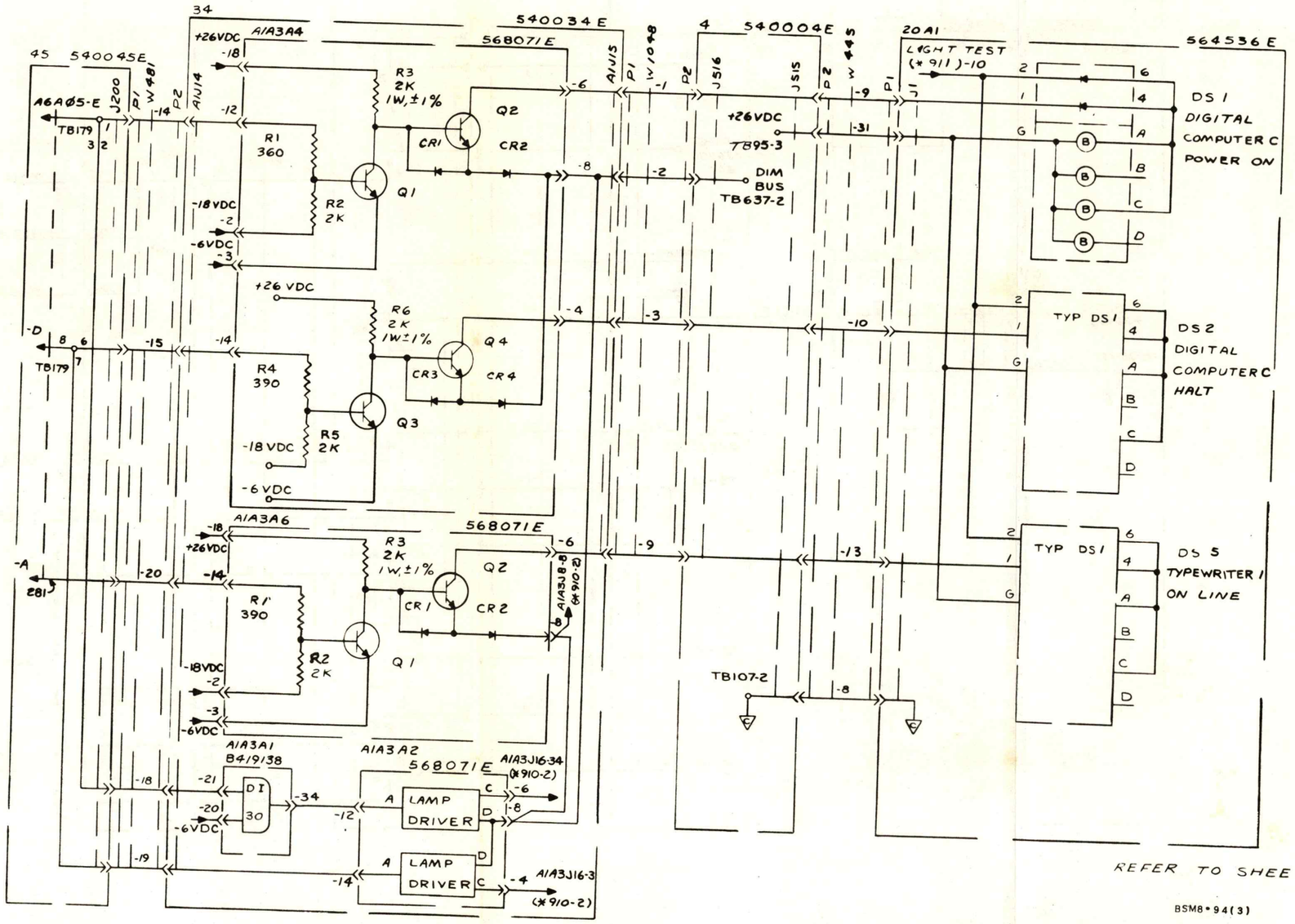
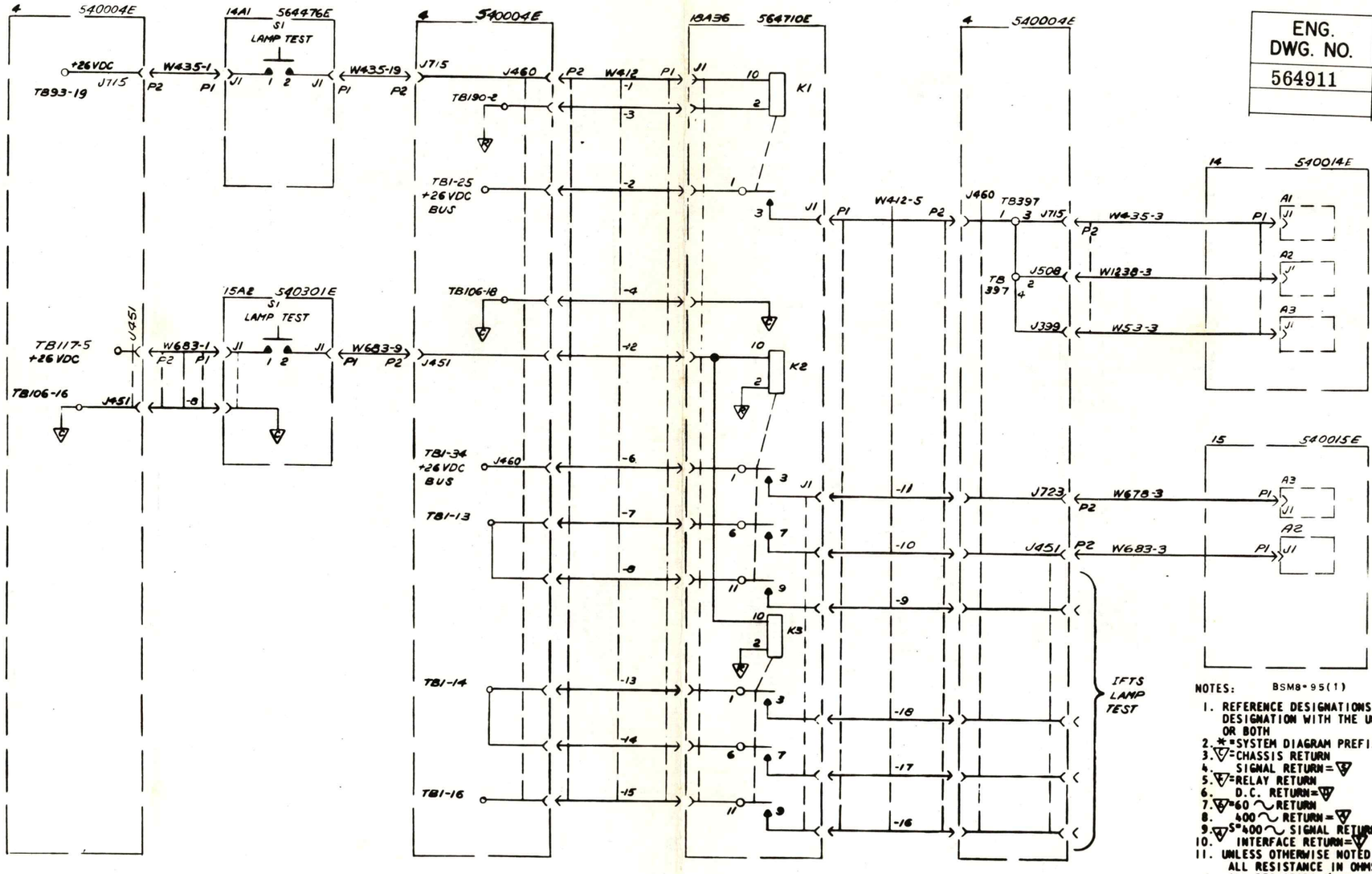


Figure 8-94. Computer Status Indicator (Sheet 3 of 3)

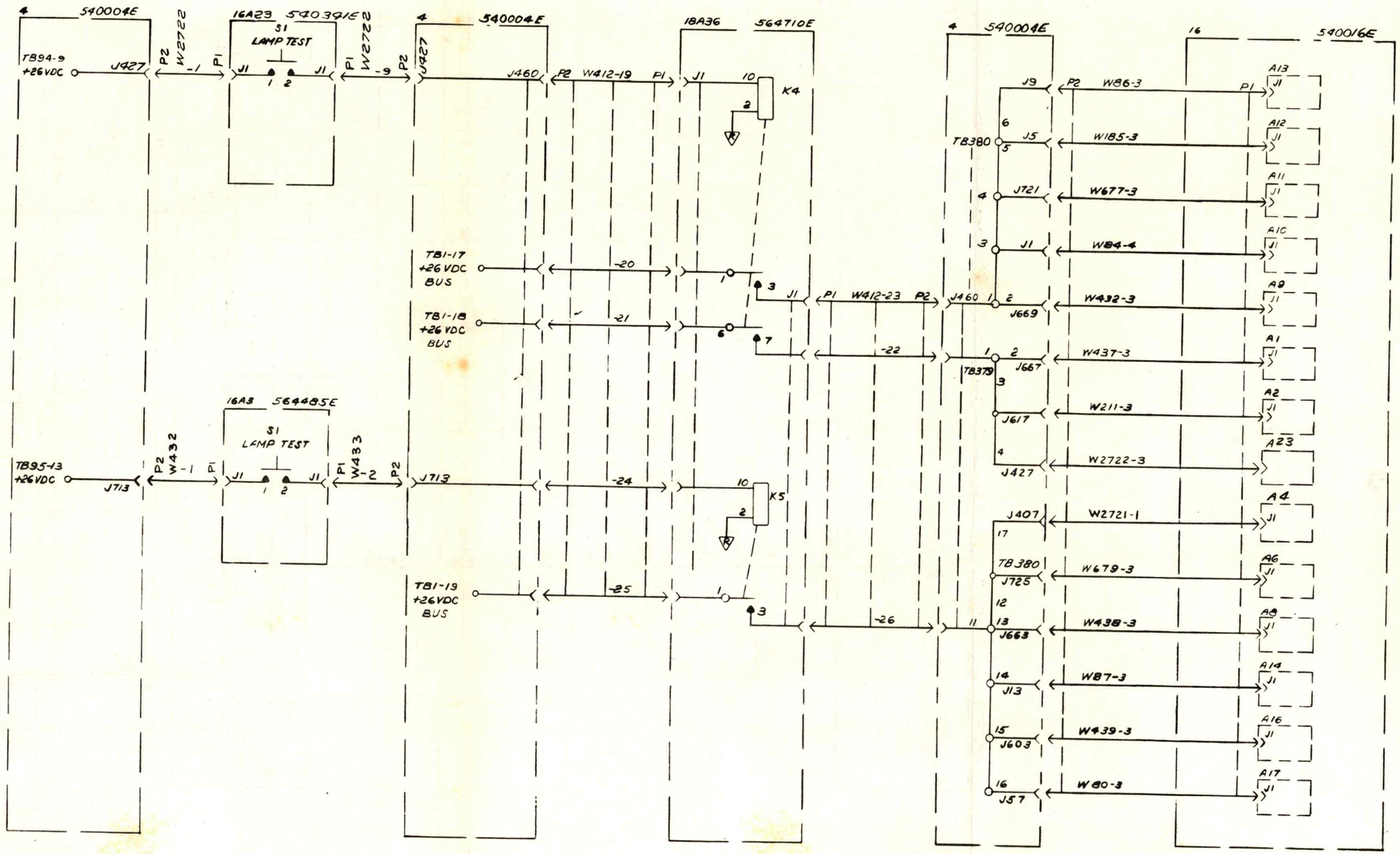
ENG. DWG. NO.	HDBK. FIG. NO.
564911	8-95



NOTES: BSM8-95(1)

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. *=SYSTEM DIAGRAM PREFIX WITH B564
3. ▽=CHASSIS RETURN
4. SIGNAL RETURN = ▽
5. ▽=RELAY RETURN
6. D.C. RETURN=▽
7. ▽=60 ~ RETURN
8. 400 ~ RETURN = ▽
9. S=400 ~ SIGNAL RETURN
10. INTERFACE RETURN=▽
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS 1/2 W, ± 1 %
    ALL RESISTORS ___Ω
    ALL LAMP LENS WHT

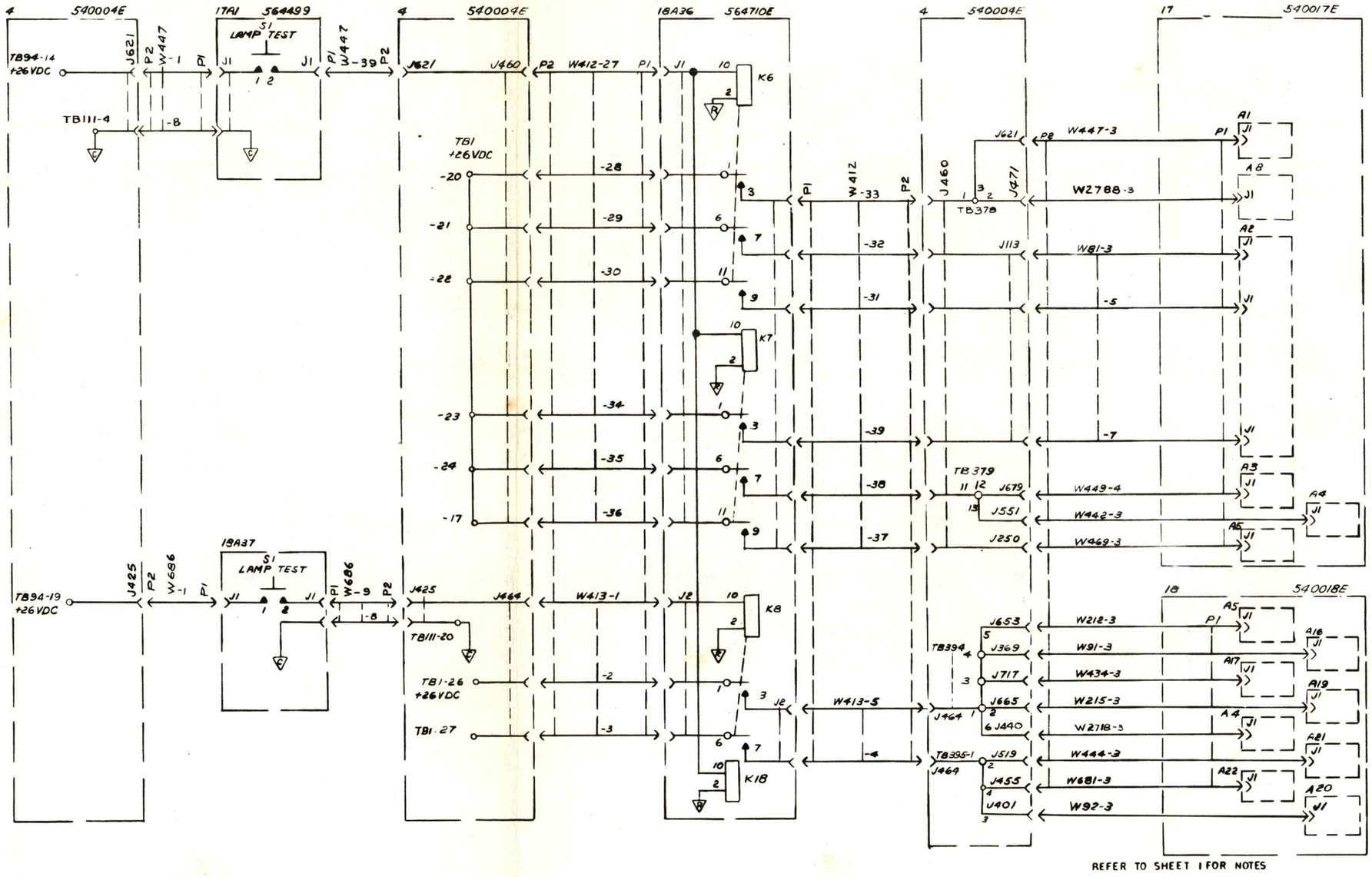
Figure 8-95. Light Test IOS (Sheet 1 of 6)



REFER TO SHEET 1 FOR NOTES

BSM8•95(2)

Figure 8-95. Light Test IOS (Sheet 2 of 6)



REFER TO SHEET 1 FOR NOTES

BSM8*95(3)

Figure 8-95. Light Test IOS (Sheet 3 of 6)

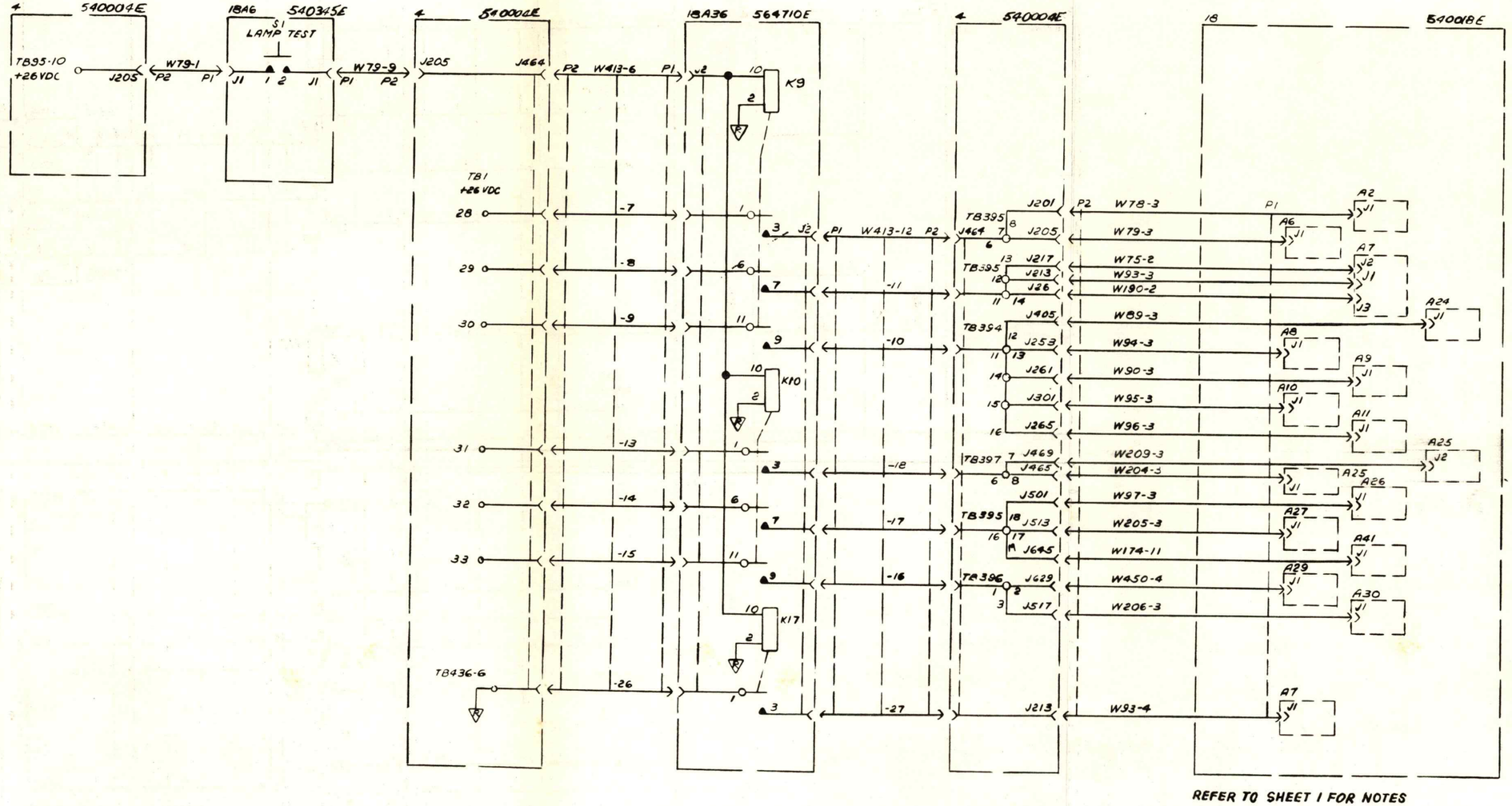


Figure 8-95. Light Test IOS (Sheet 4 of 6)

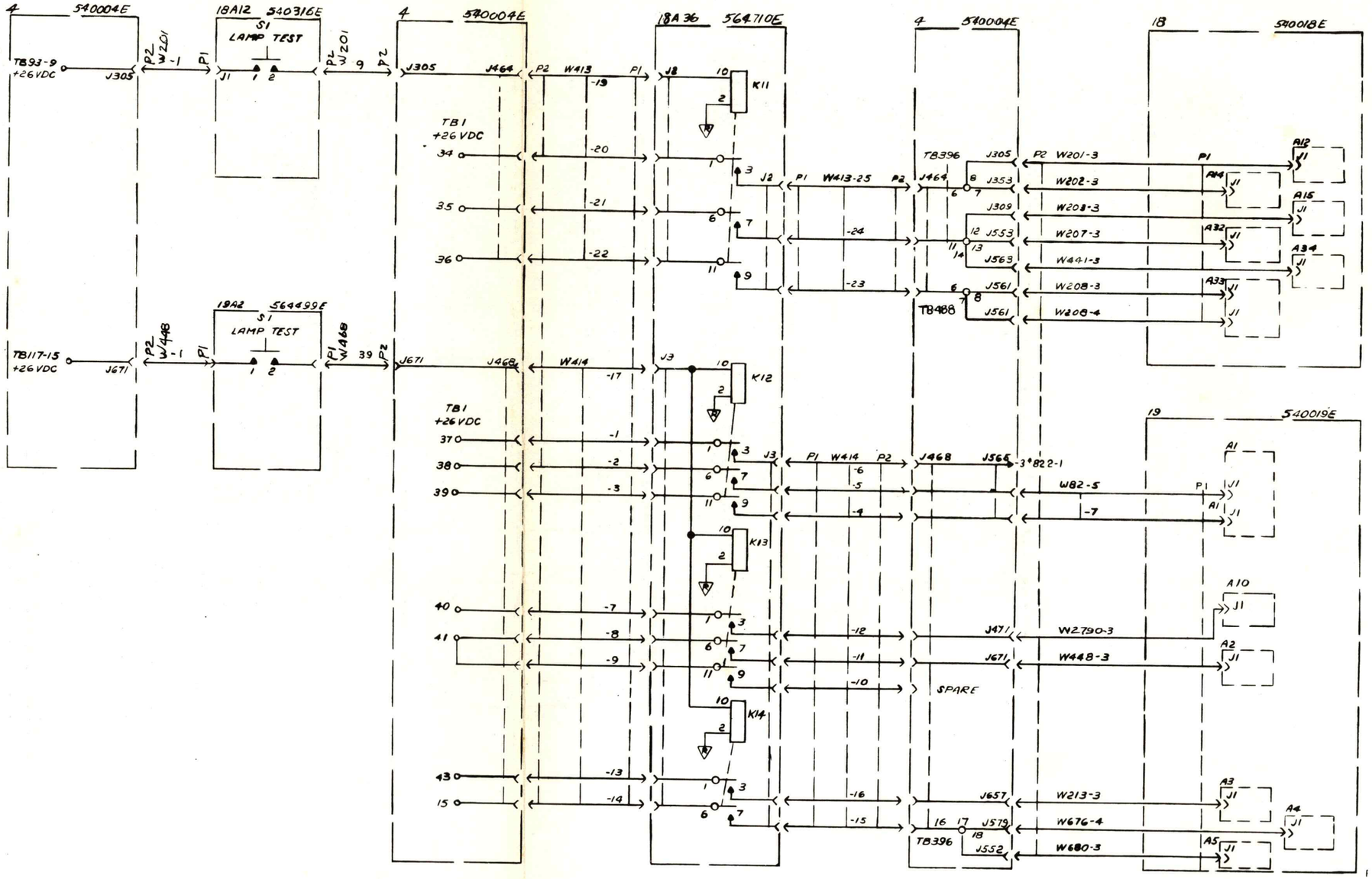
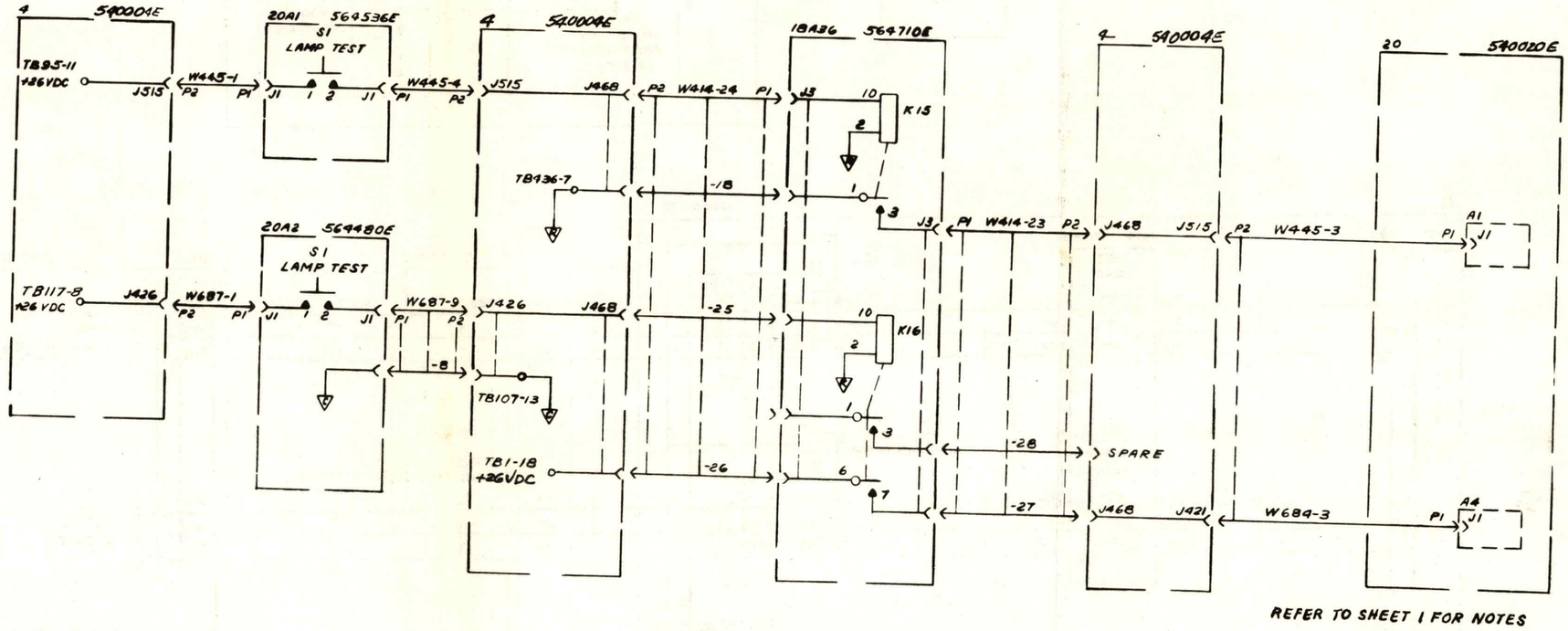


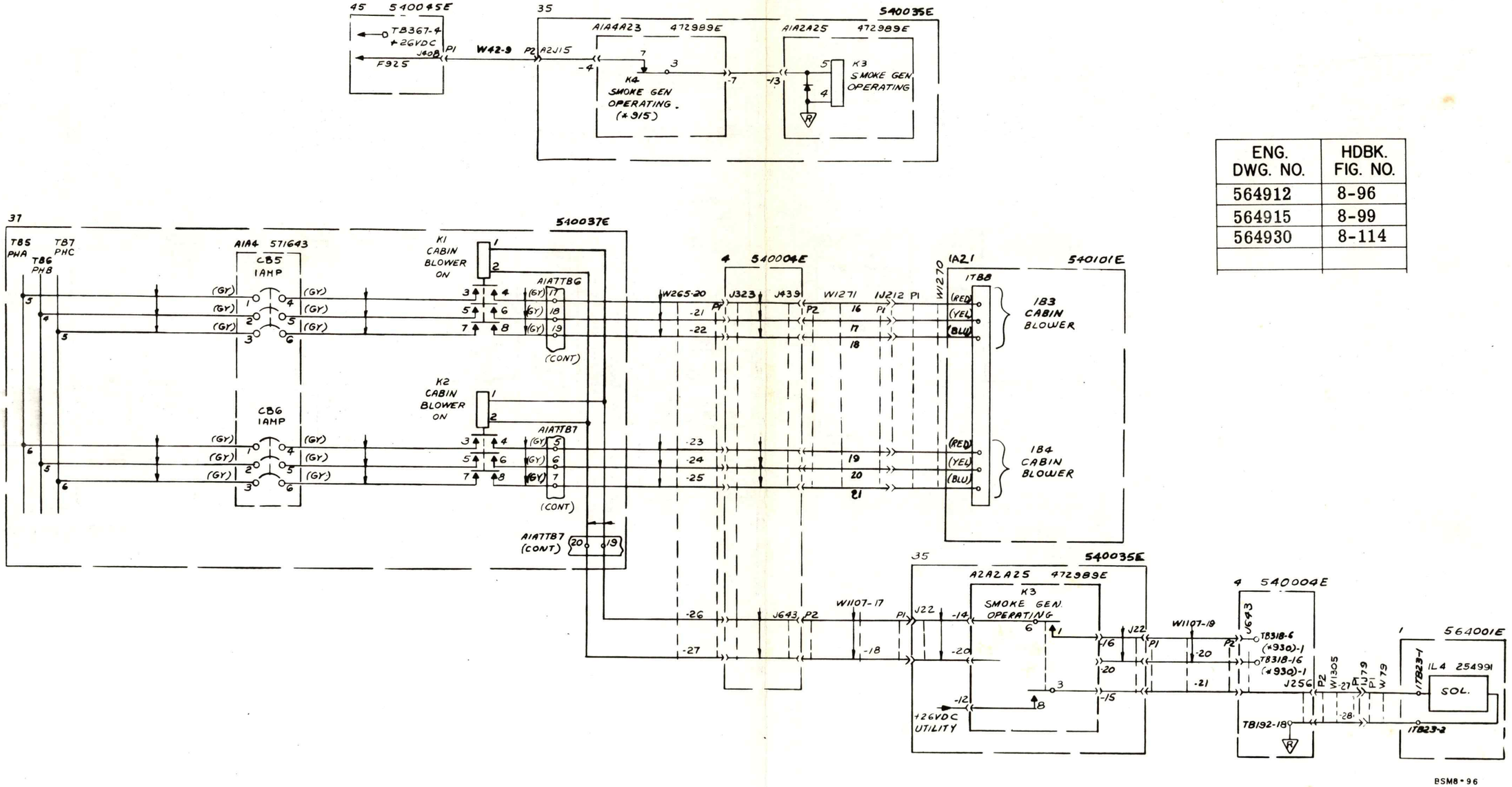
Figure 8-95. Light Test IOS (Sheet 5 of 6)



REFER TO SHEET 1 FOR NOTES

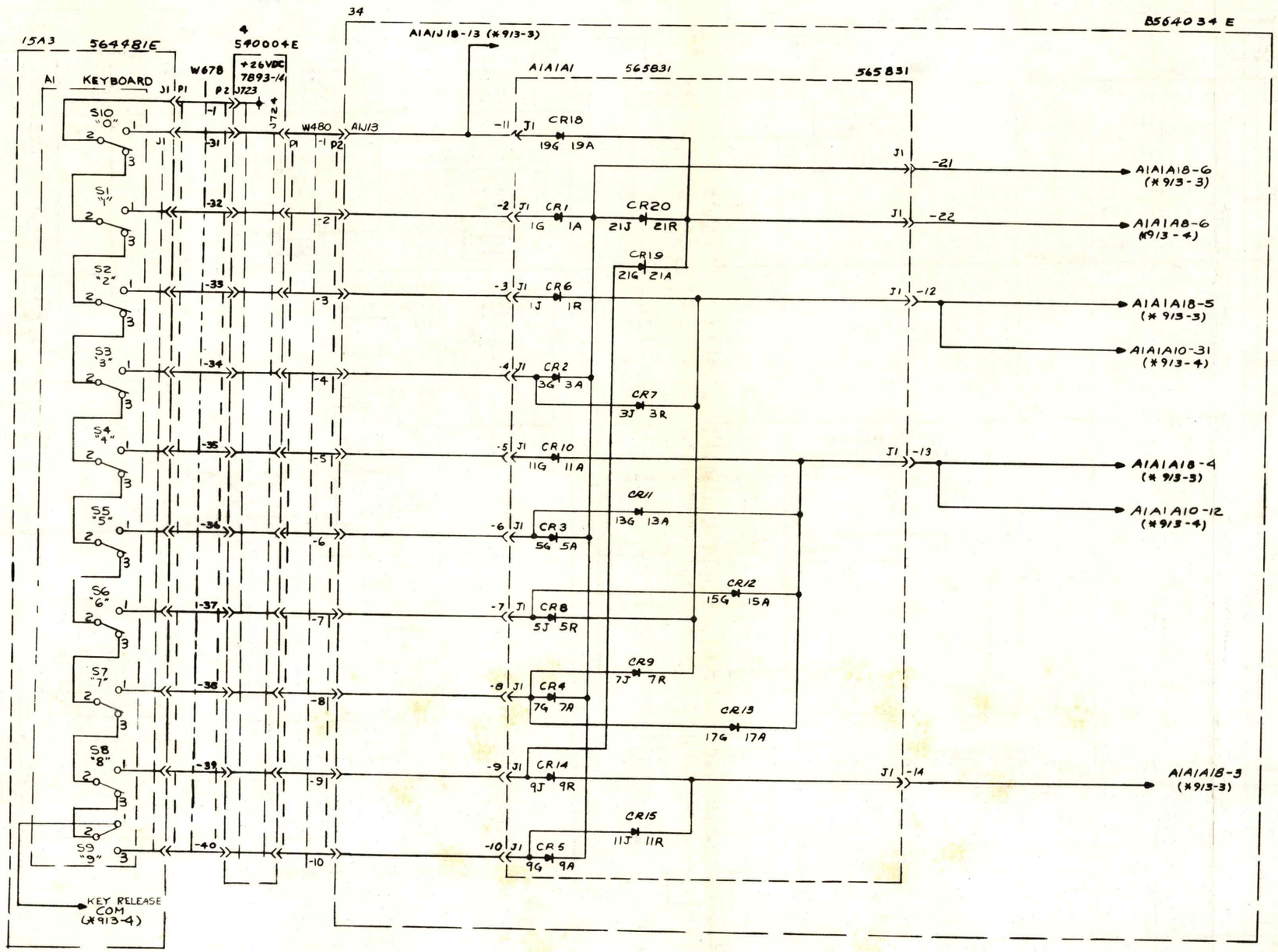
BSM8-95(6)

Figure 8-95. Light Test IOS (Sheet 6 of 6)



ENG. DWG. NO.	HDBK. FIG. NO.
564912	8-96
564915	8-99
564930	8-114

Figure 8-96. Cabin Fan



ENG. DWG. NO.	HDBK. FIG. NO.
564913	8-97
564911	8-95
564923	8-107

NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. *=SYSTEM DIAGRAM PREFIX WITH B 564
3. CHASSIS RETURN = ▽
4. ▽=SIGNAL RETURN
5. RELAY RETURN = ▽
6. ▽=D.C. RETURN
7. 60 ~ RETURN = ▽
8. ▽=400 ~ RETURN
9. 400 ~ SIGNAL RETURN = ▽s
10. ▽=INTERFACE RETURN
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS ½ W, ±10%

    ALL LAMP LENS WHT

    ALL DIODES IN538

Figure 8-97. UDL (Sheet 1 of 6)

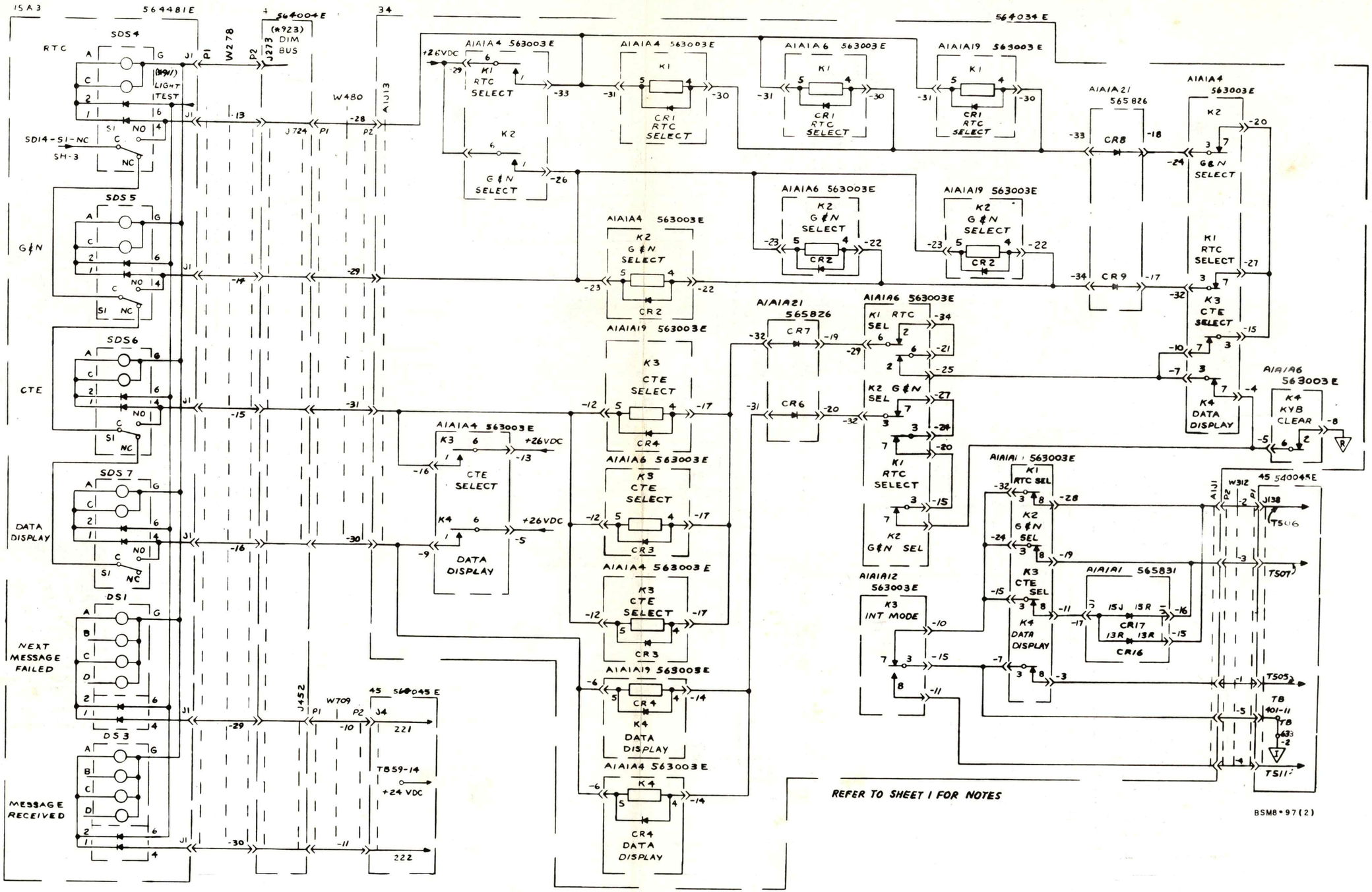


Figure 8-97. UDL (Sheet 2 of 6)

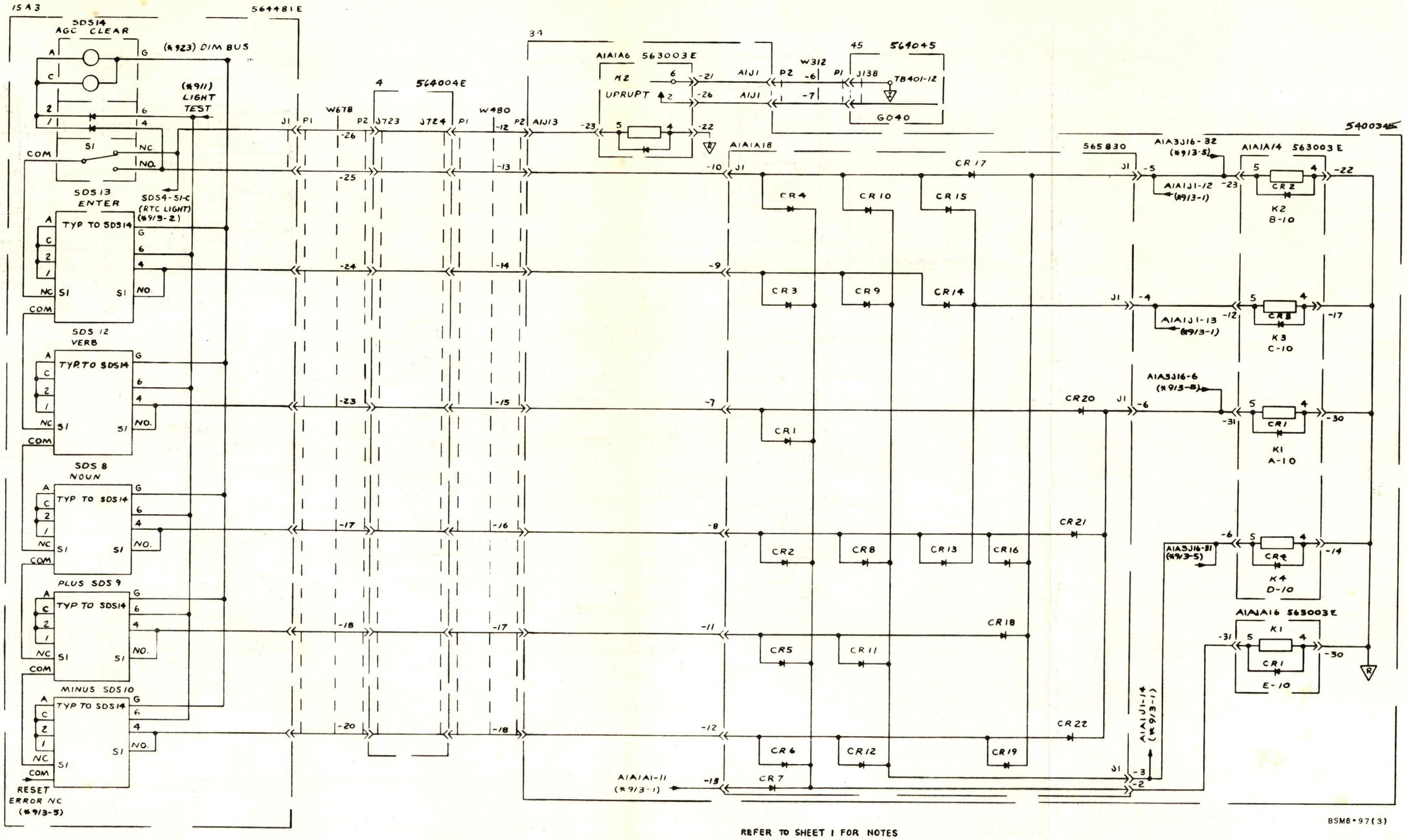


Figure 8-97. UDL (Sheet 3 of 6)

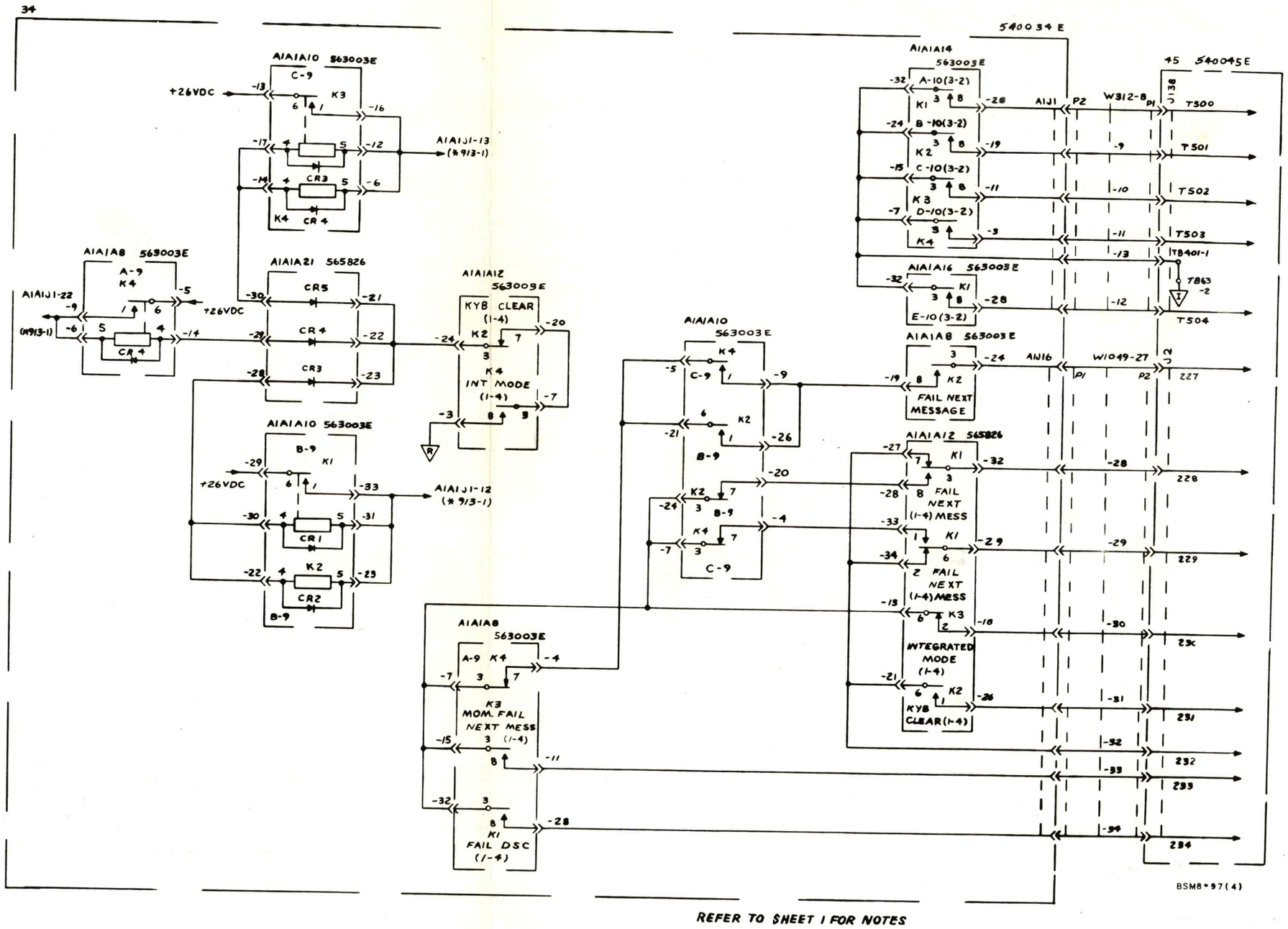


Figure 8-97. UDL (Sheet 4 of 6)

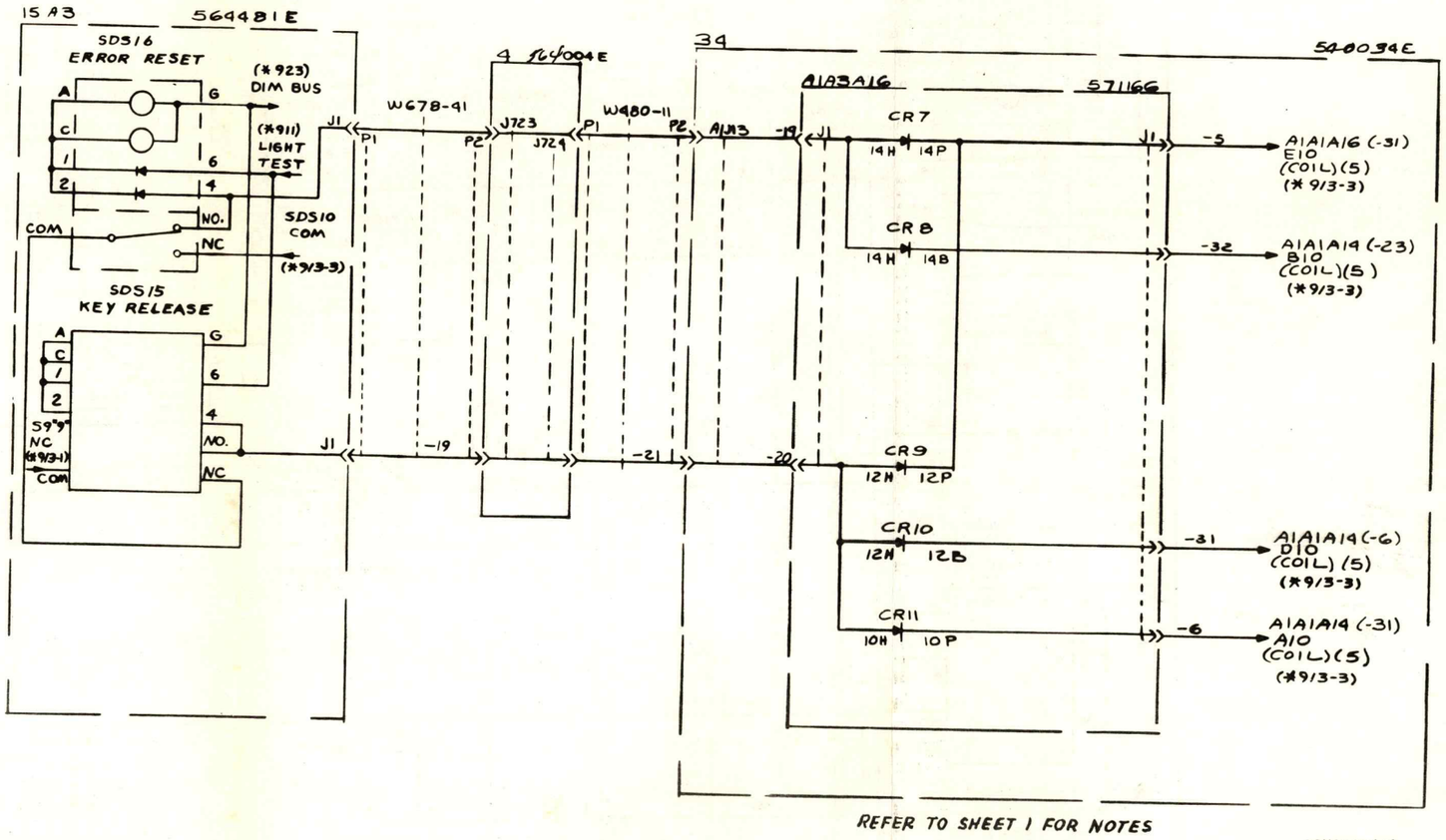


Figure 8-97. UDL (Sheet 5 of 6)

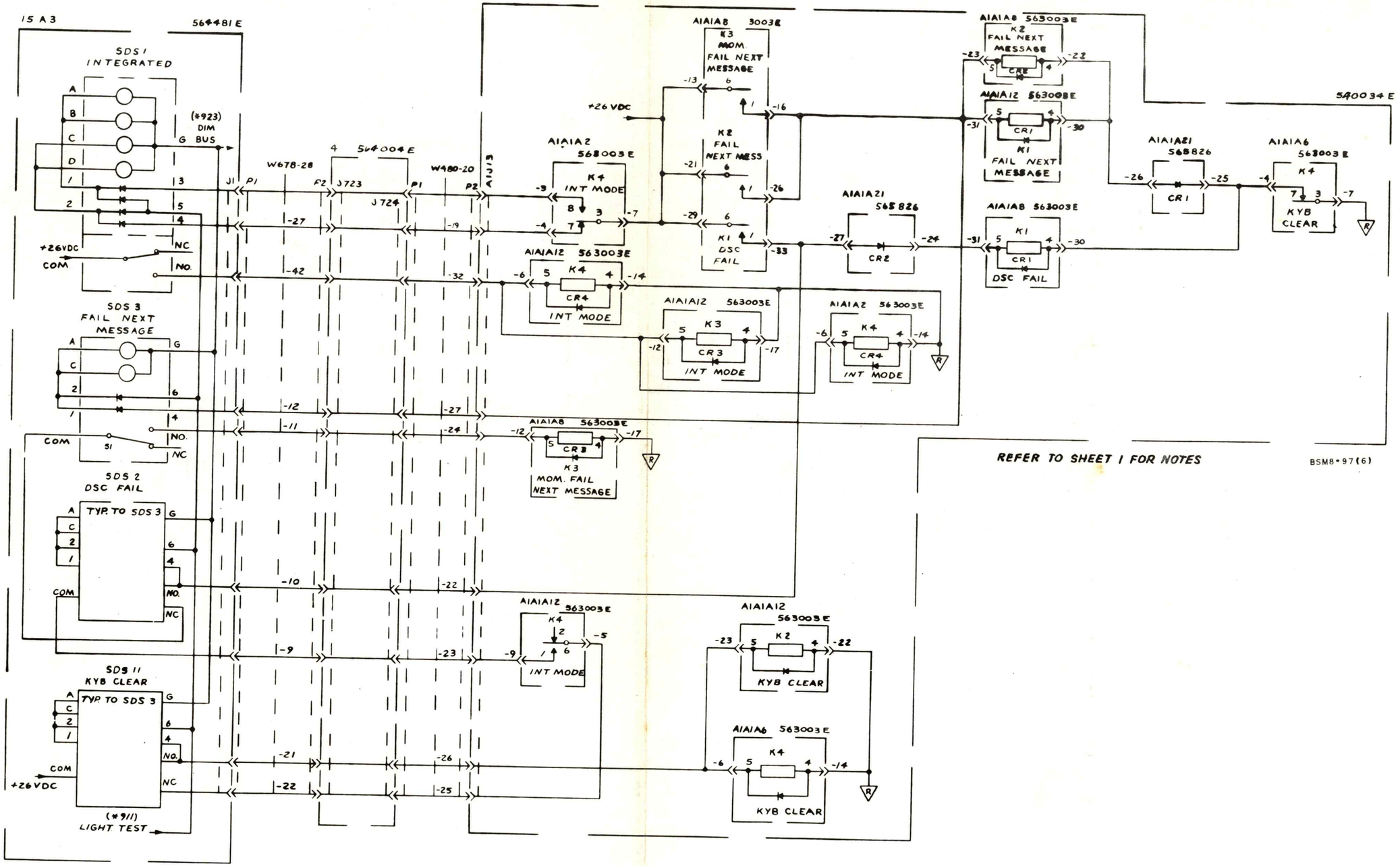
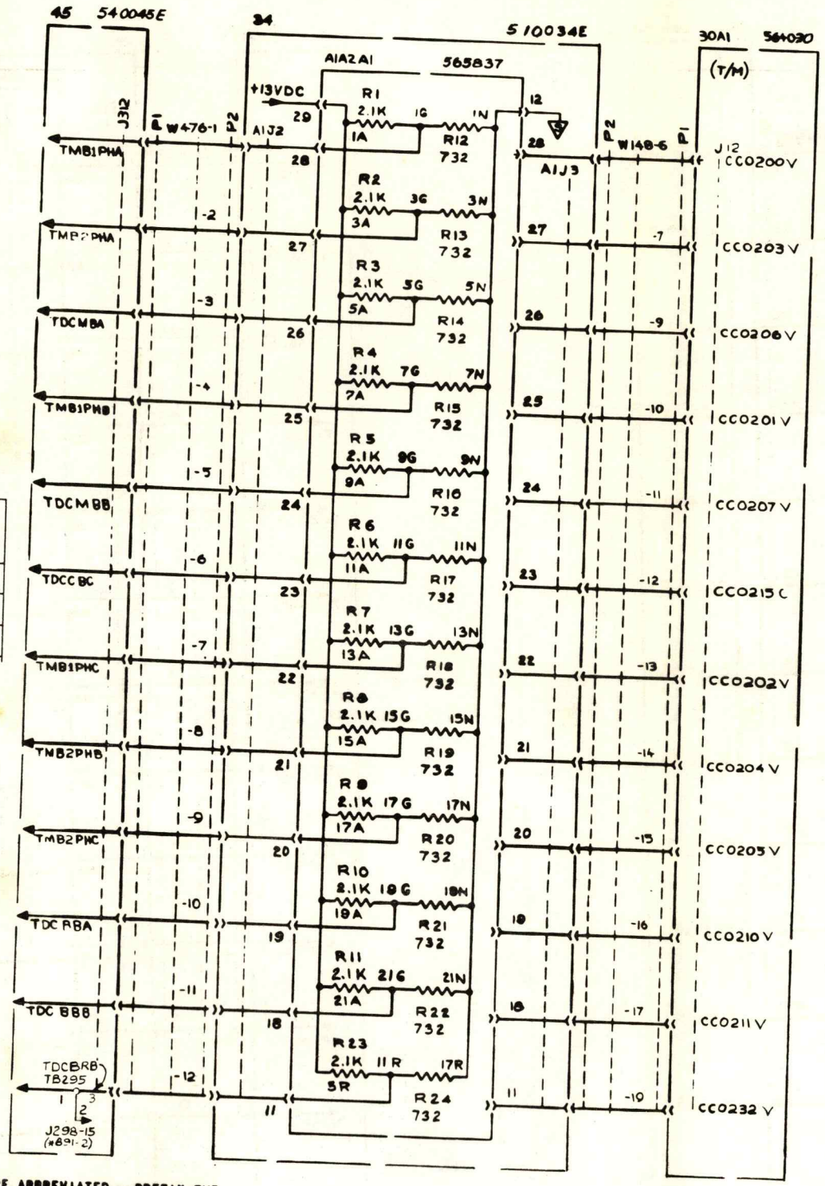


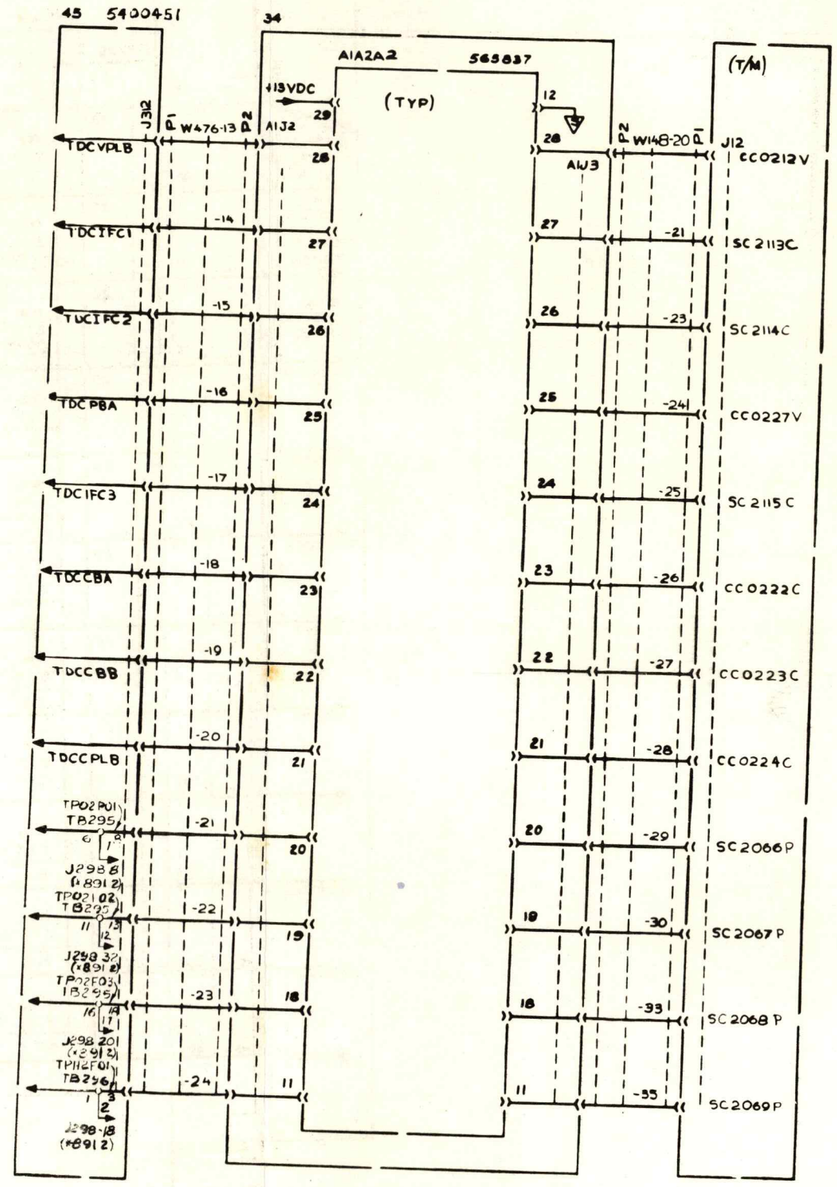
Figure 8-97. UDL (Sheet 6 of 6)

ENG. DWG. NO.	HDBK. FIG. NO.
564914	8-98
564891	8-83



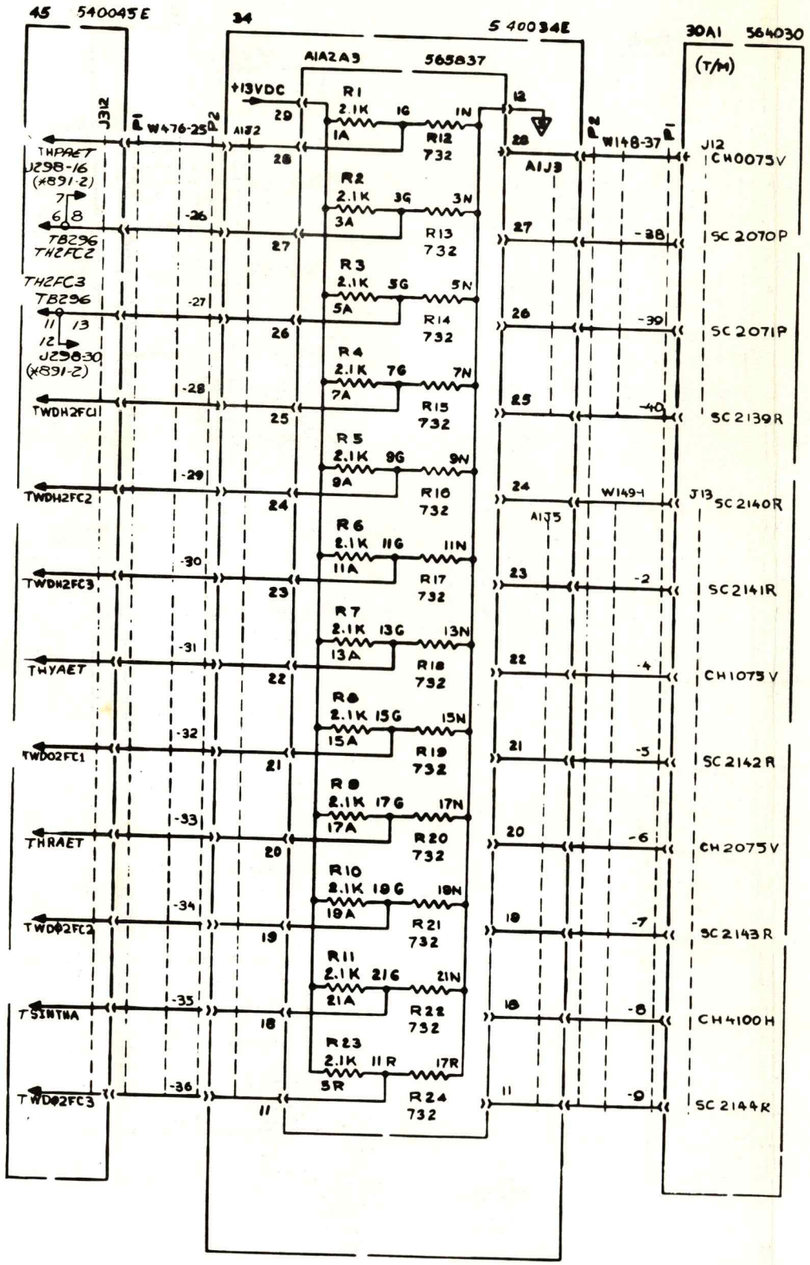
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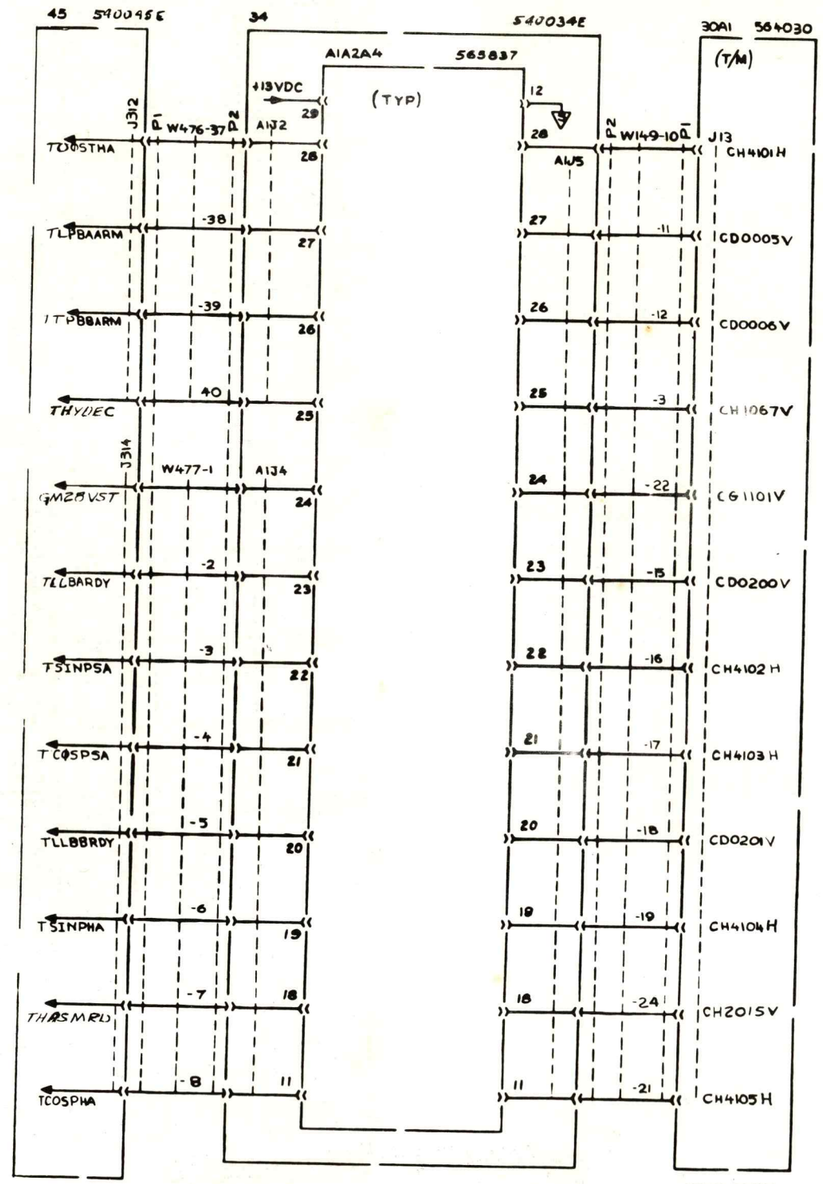
1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. *SYSTEM DIAGRAM PREFIX WITH B 564
3. ▽=CHASSIS RETURN
4. SIGNAL RETURN=▽
5. *RELAY RETURN
6. D.C. RETURN=▽
7. *60 RETURN
8. 400 RETURN=▽
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS ½ W, ± 1 %
    ALL RESISTORS ___Ω
    ALL LAMP LENS [illegible]



BSM8*98(1)

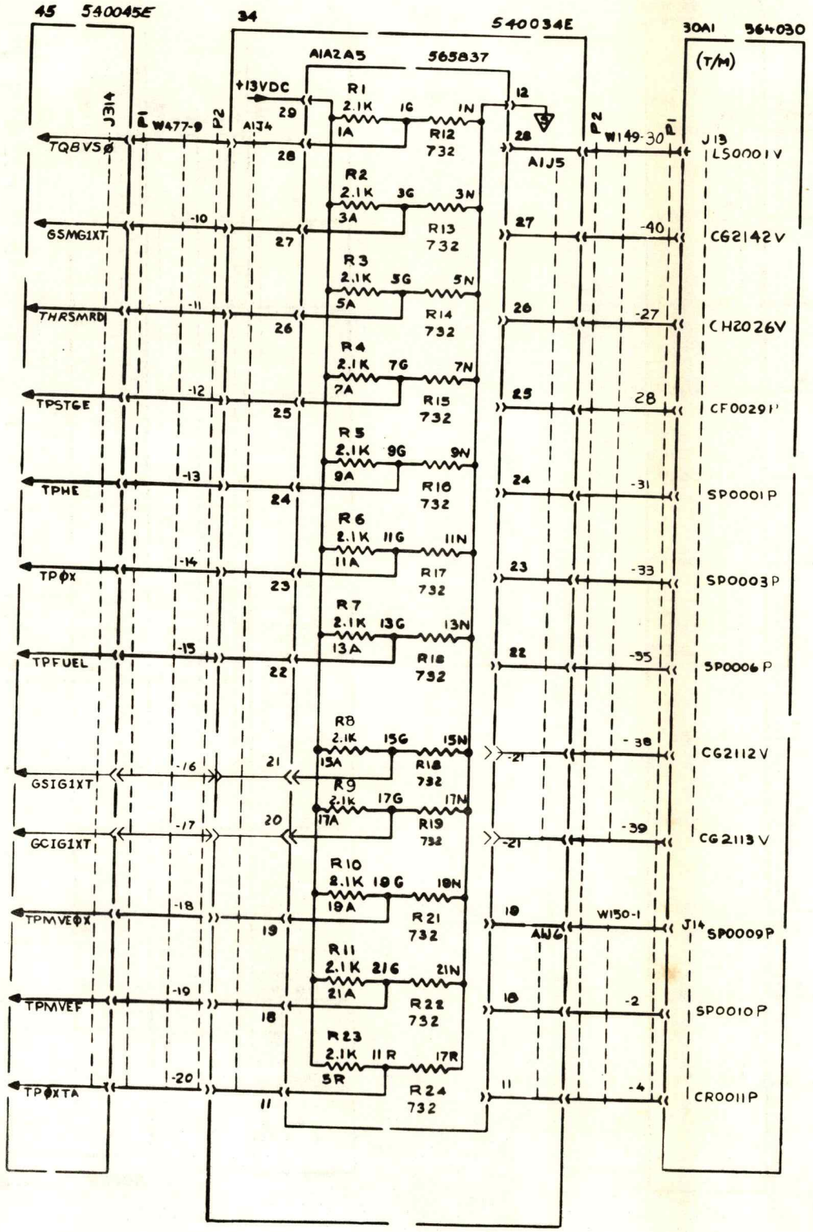
Figure 8-98. Down Telemetry (Sheet 1 of 25)





BSM8-98(2)

Figure 8-98. Down Telemetry (Sheet 2 of 25)



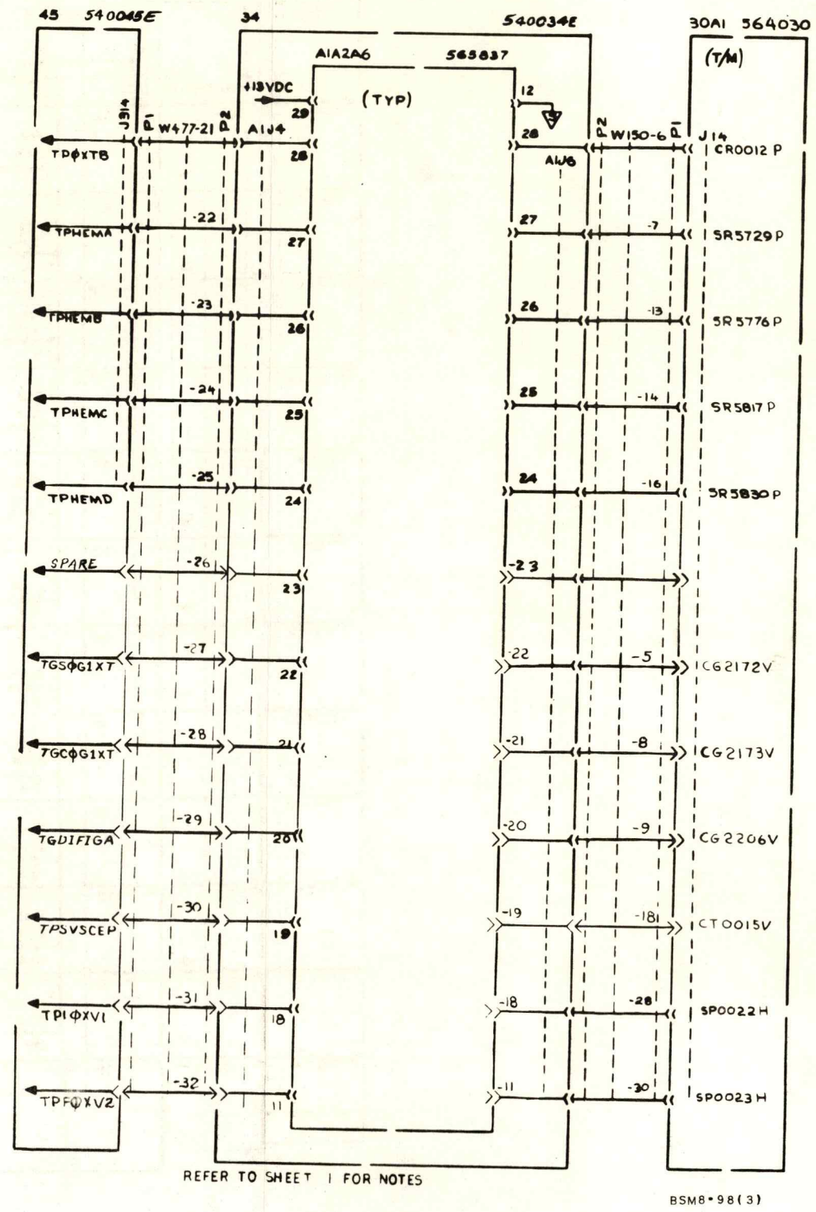
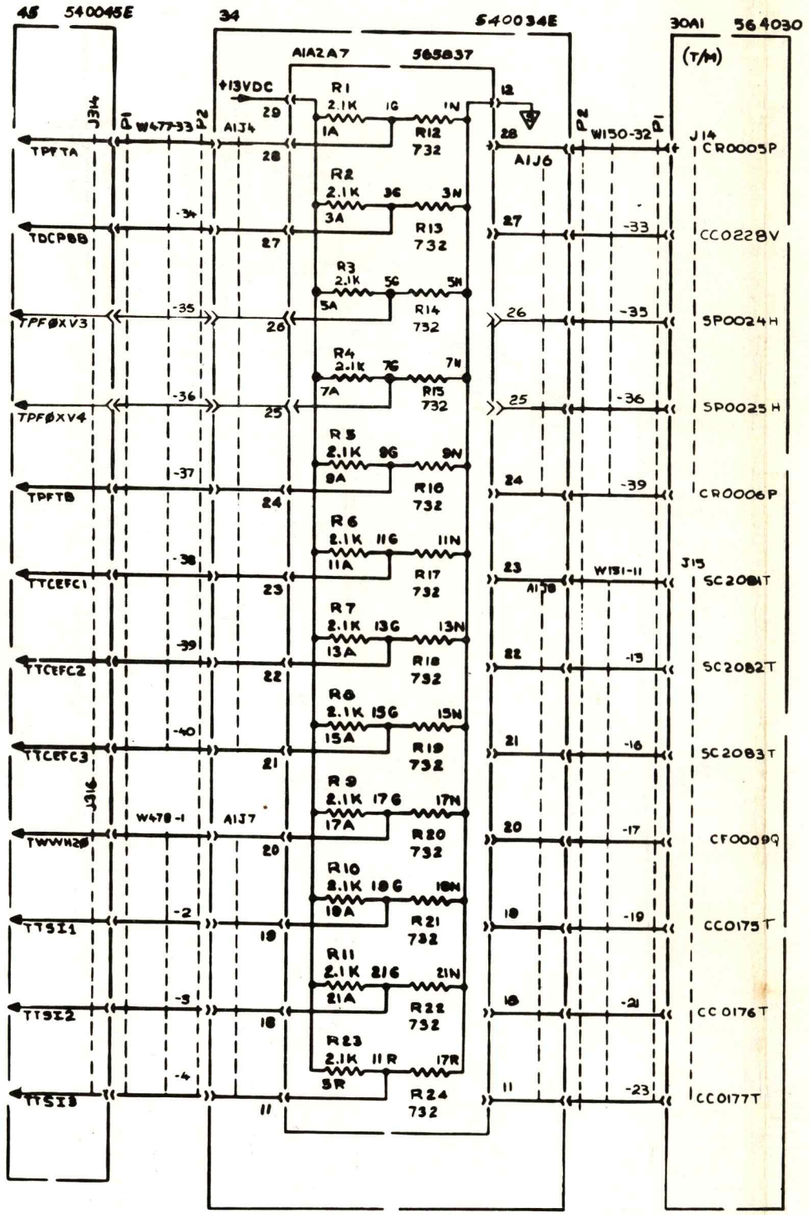


Figure 8-98. Down Telemetry (Sheet 3 of 25)



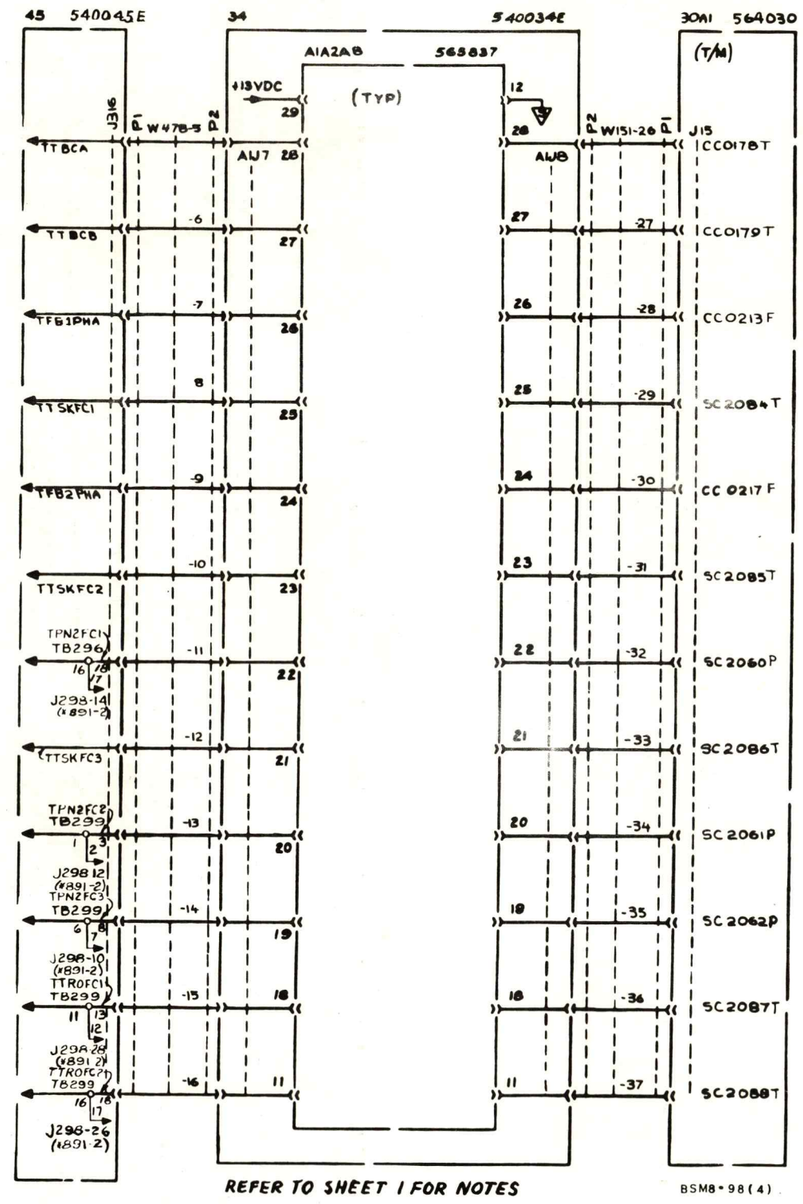
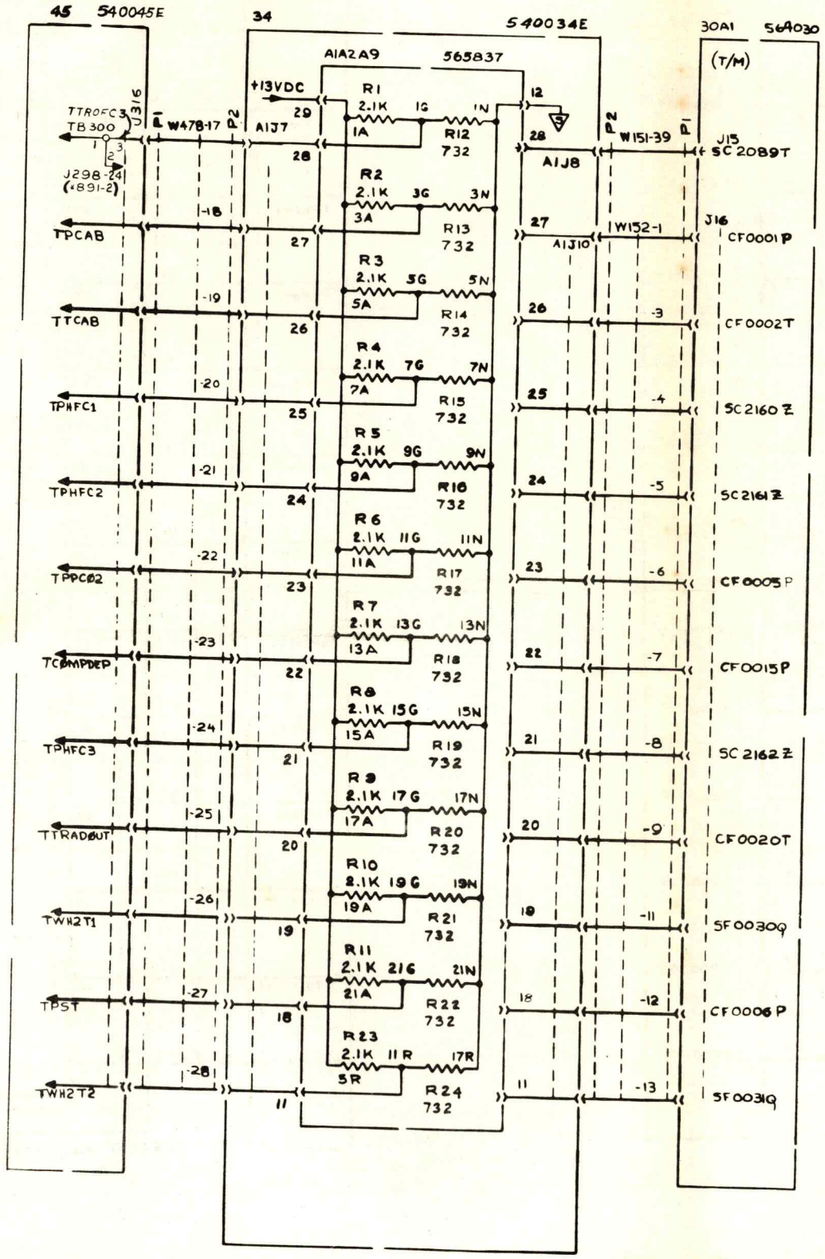
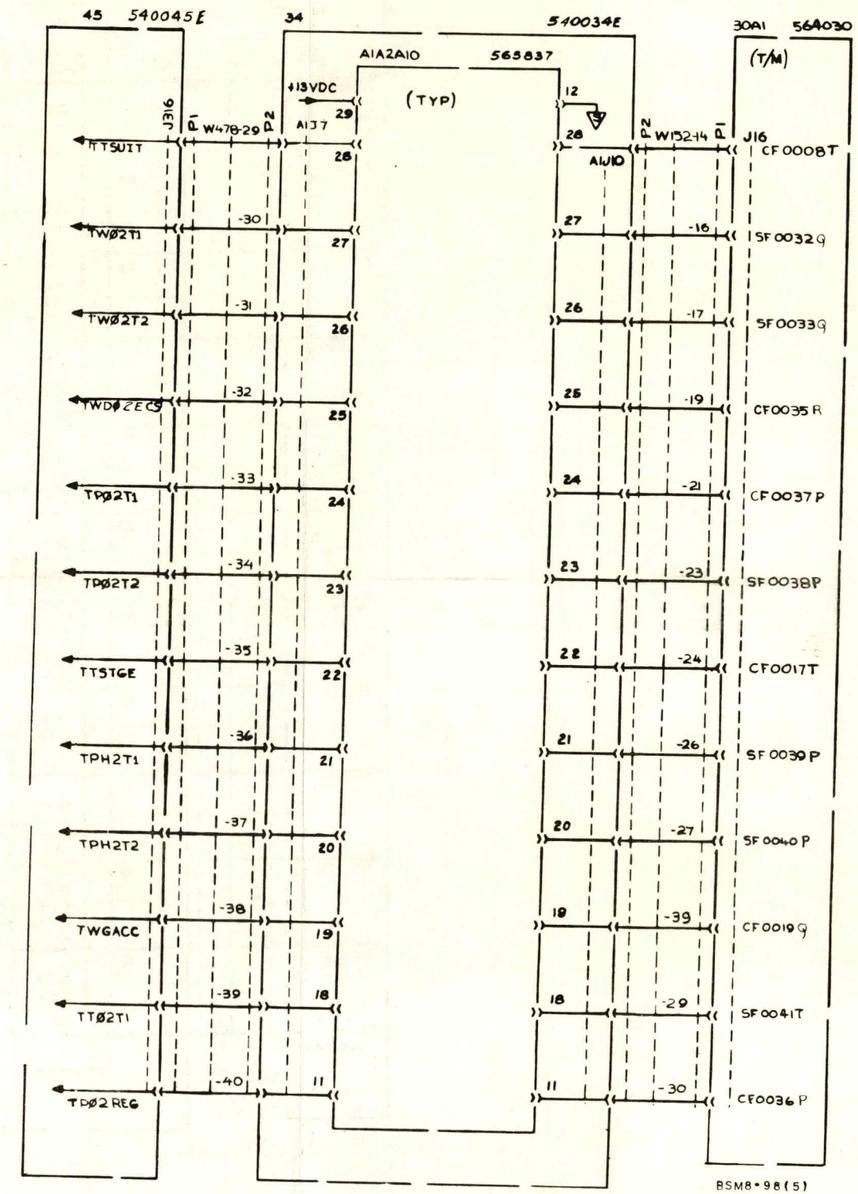


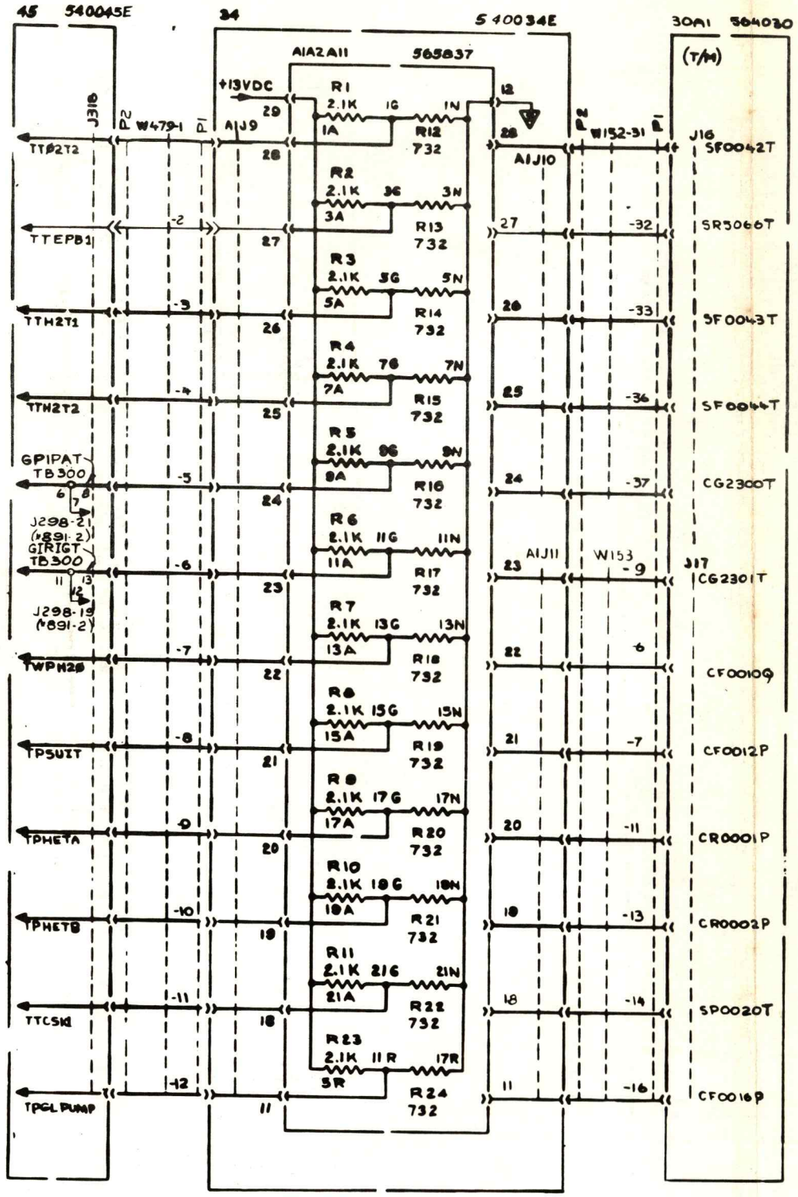
Figure 8-98. Down Telemetry (Sheet 4 of 25)





REFER TO SHEET 1 FOR NOTES

Figure 8-98. Down Telemetry (Sheet 5 of 25)



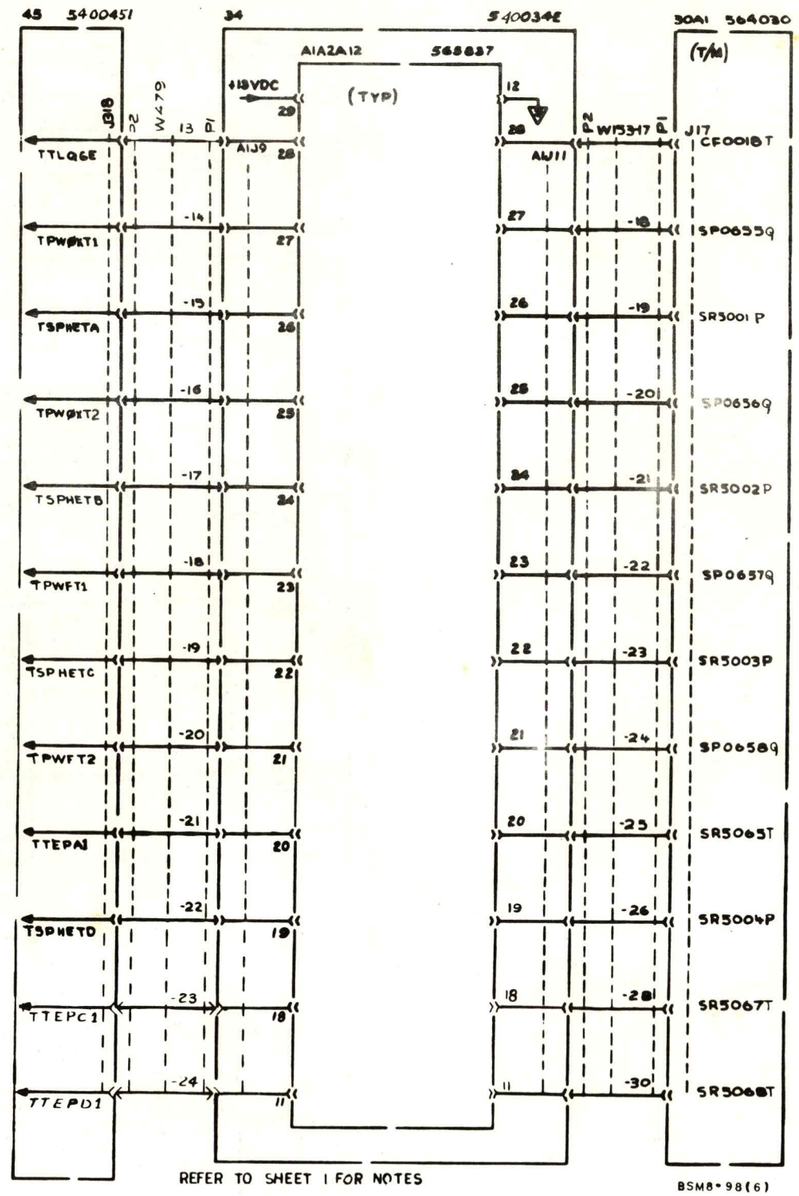
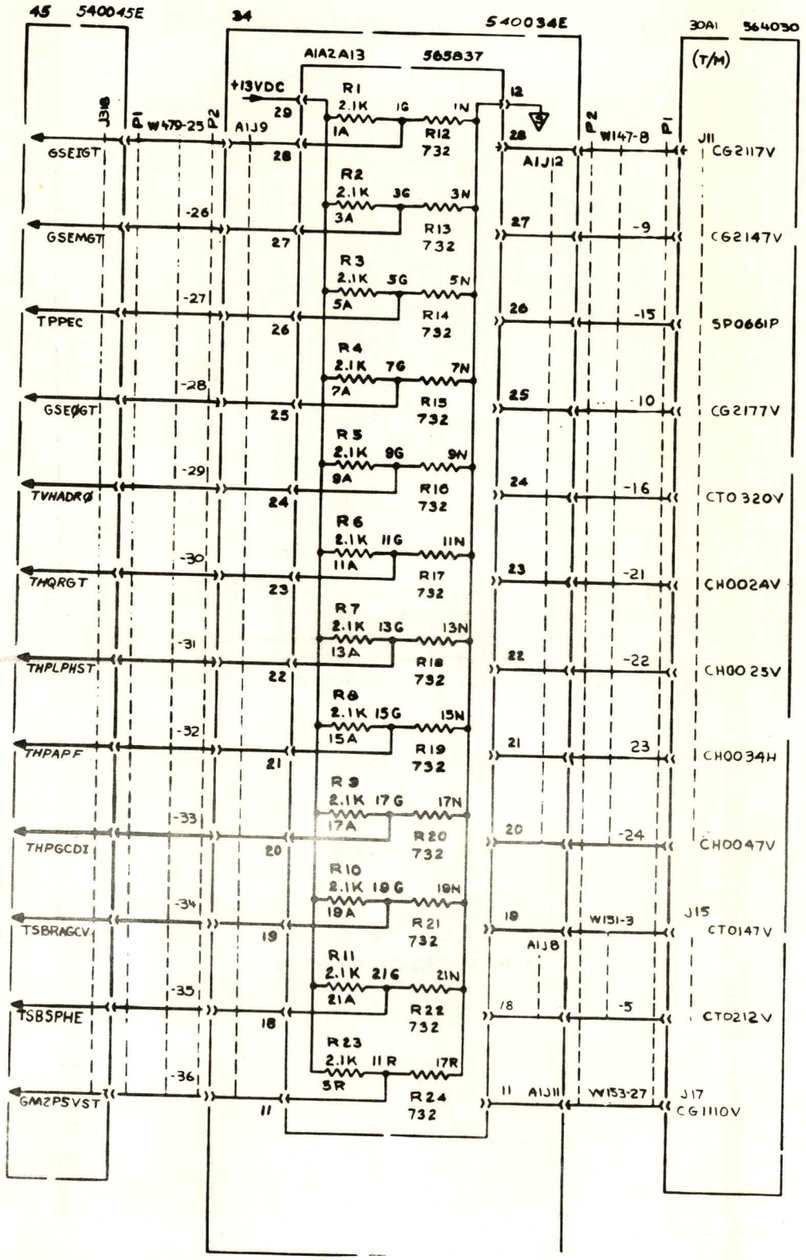


Figure 8-98. Down Telemetry (Sheet 6 of 25)



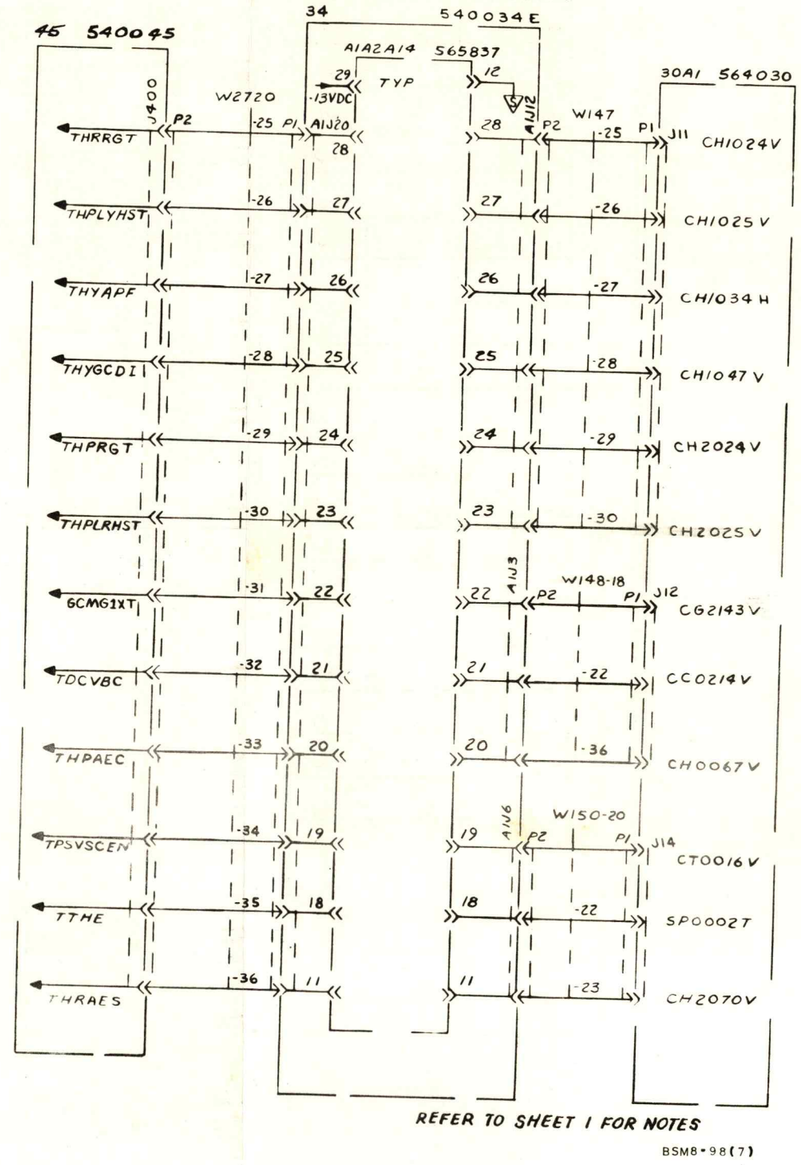
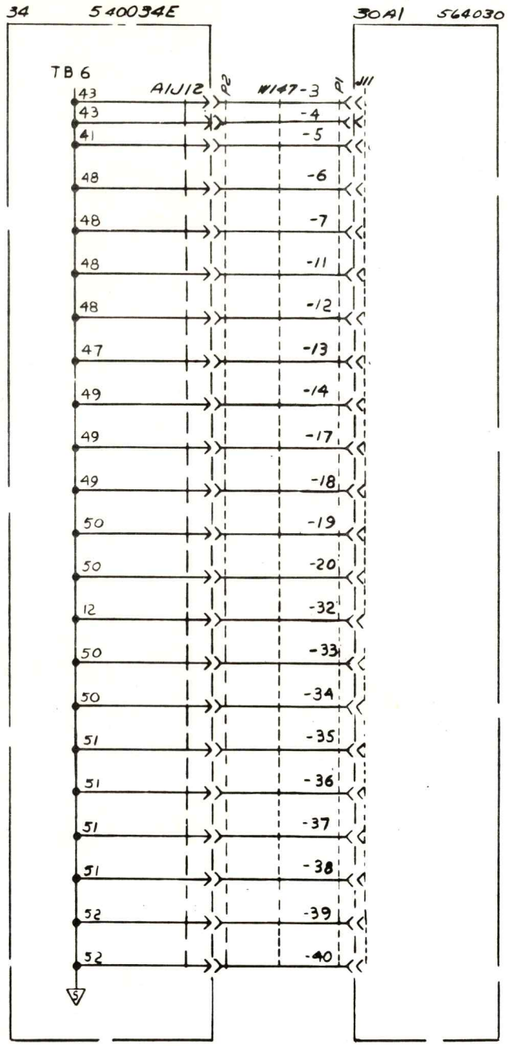
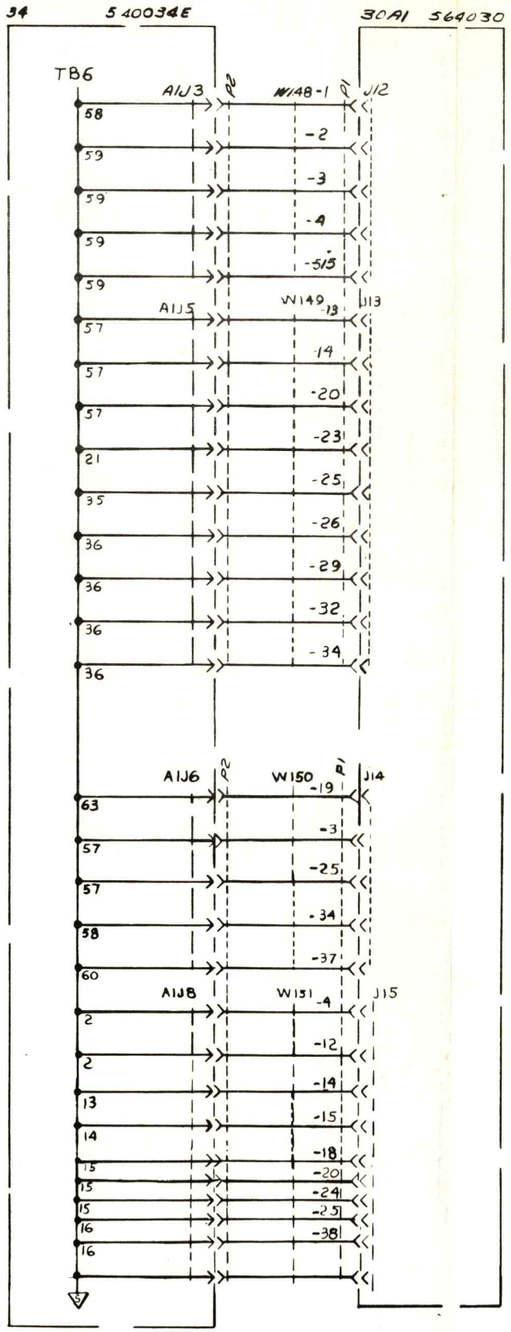
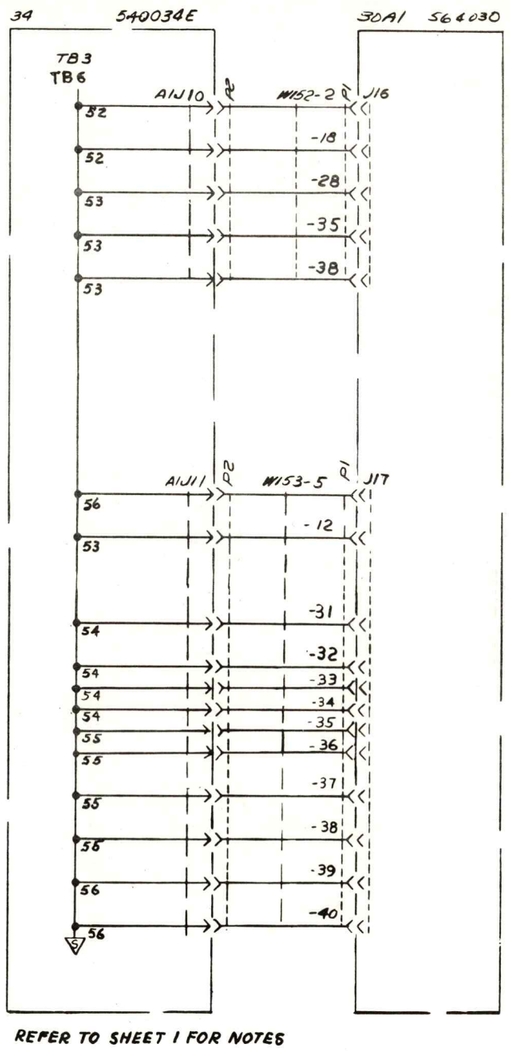


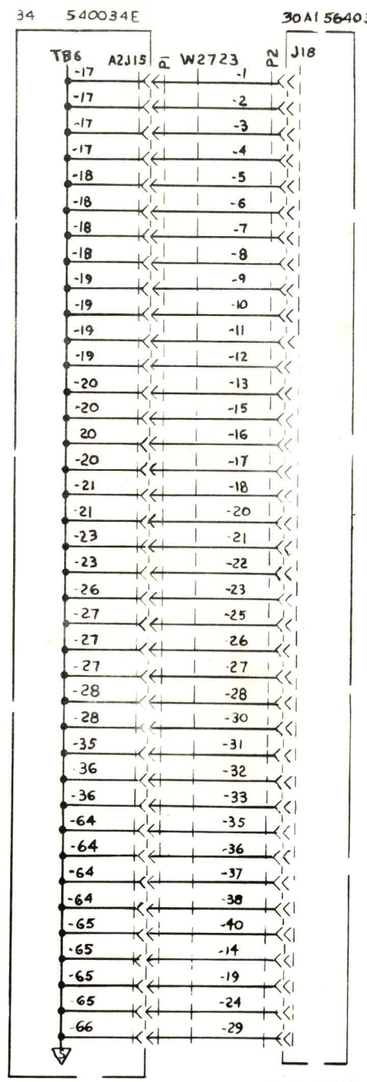
Figure 8-98. Down Telemetry (Sheet 7 of 25)





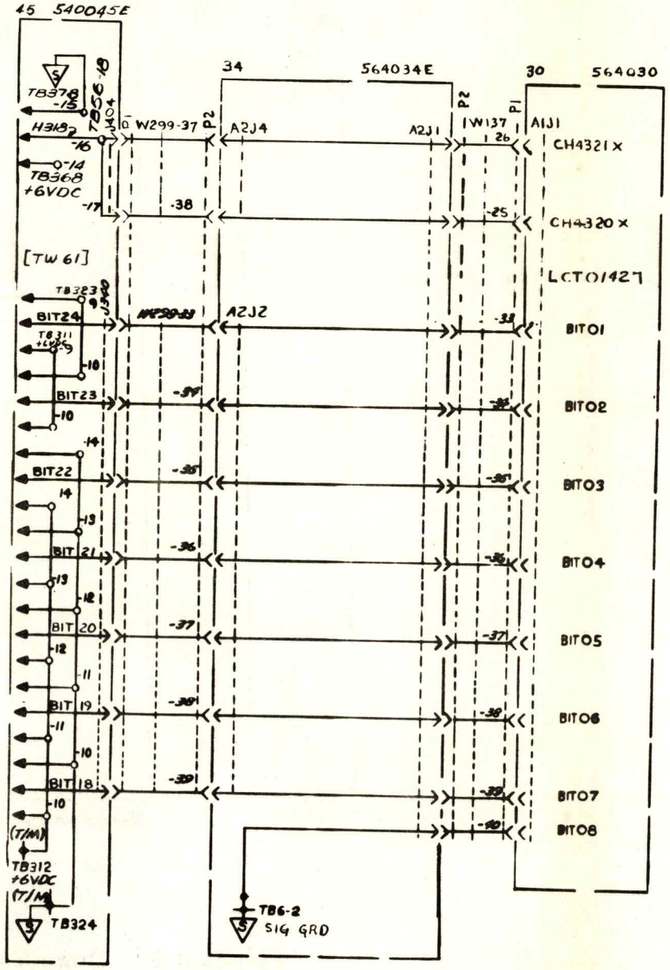


REFER TO SHEET 1 FOR NOTES



BSM8-98(8)

Figure 8-98. Down Telemetry (Sheet 8 of 25)



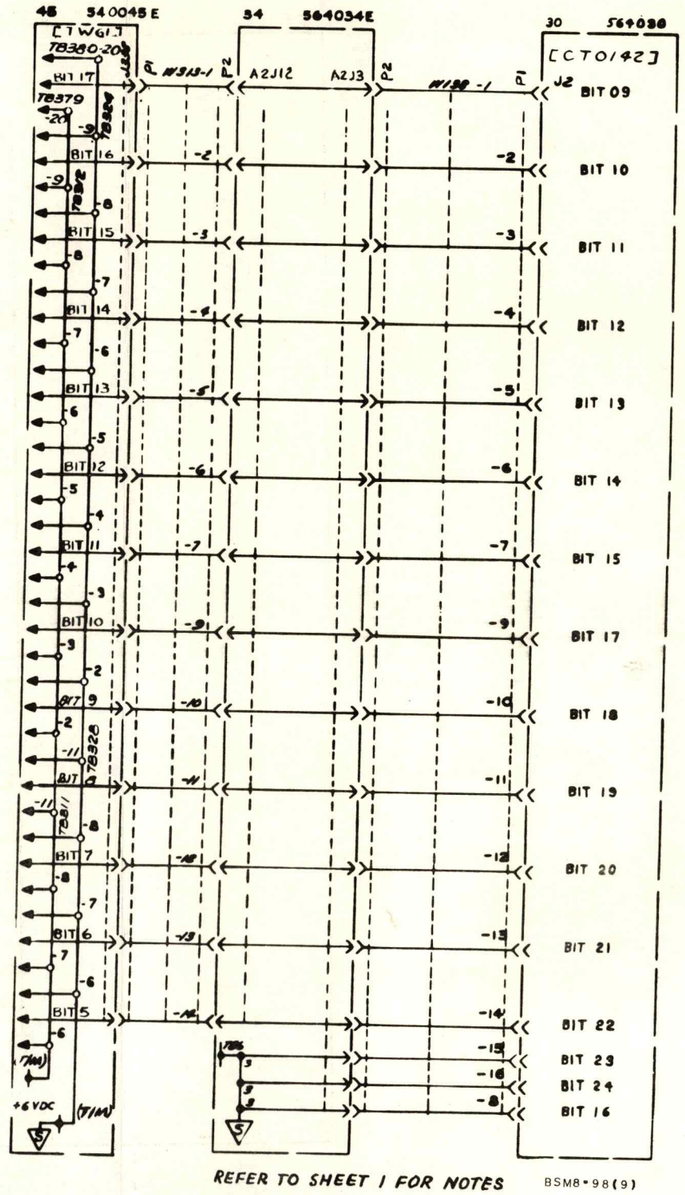
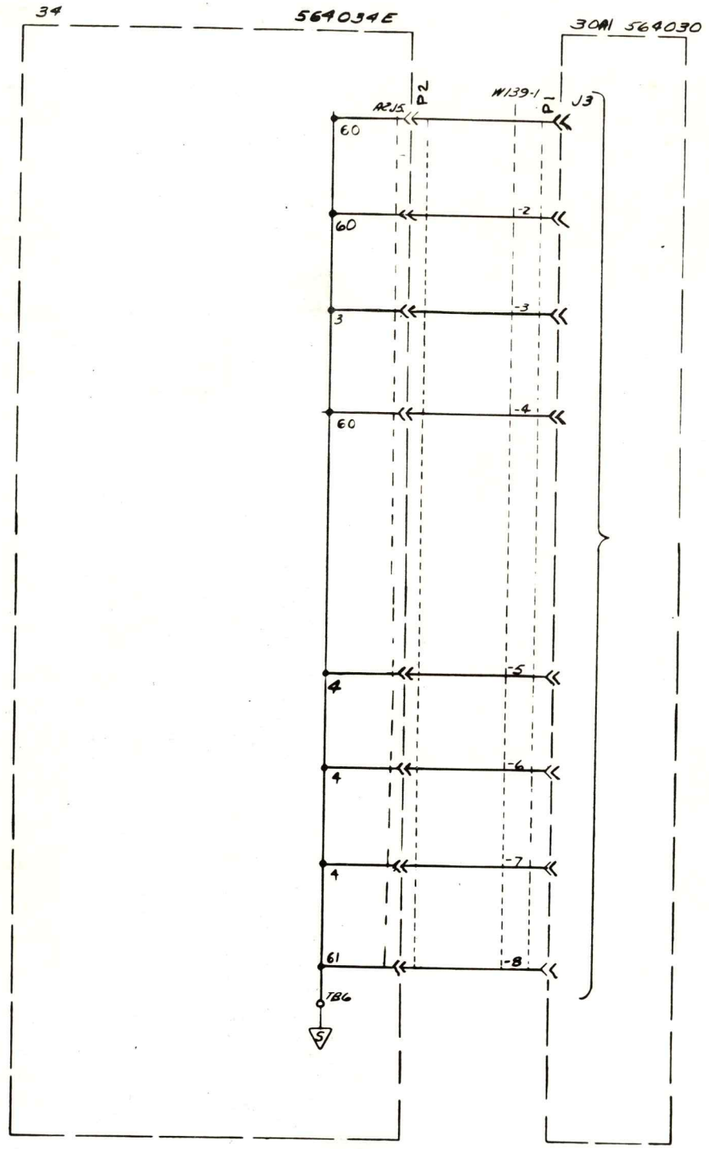


Figure 8-98. Down Telemetry (Sheet 9 of 25)



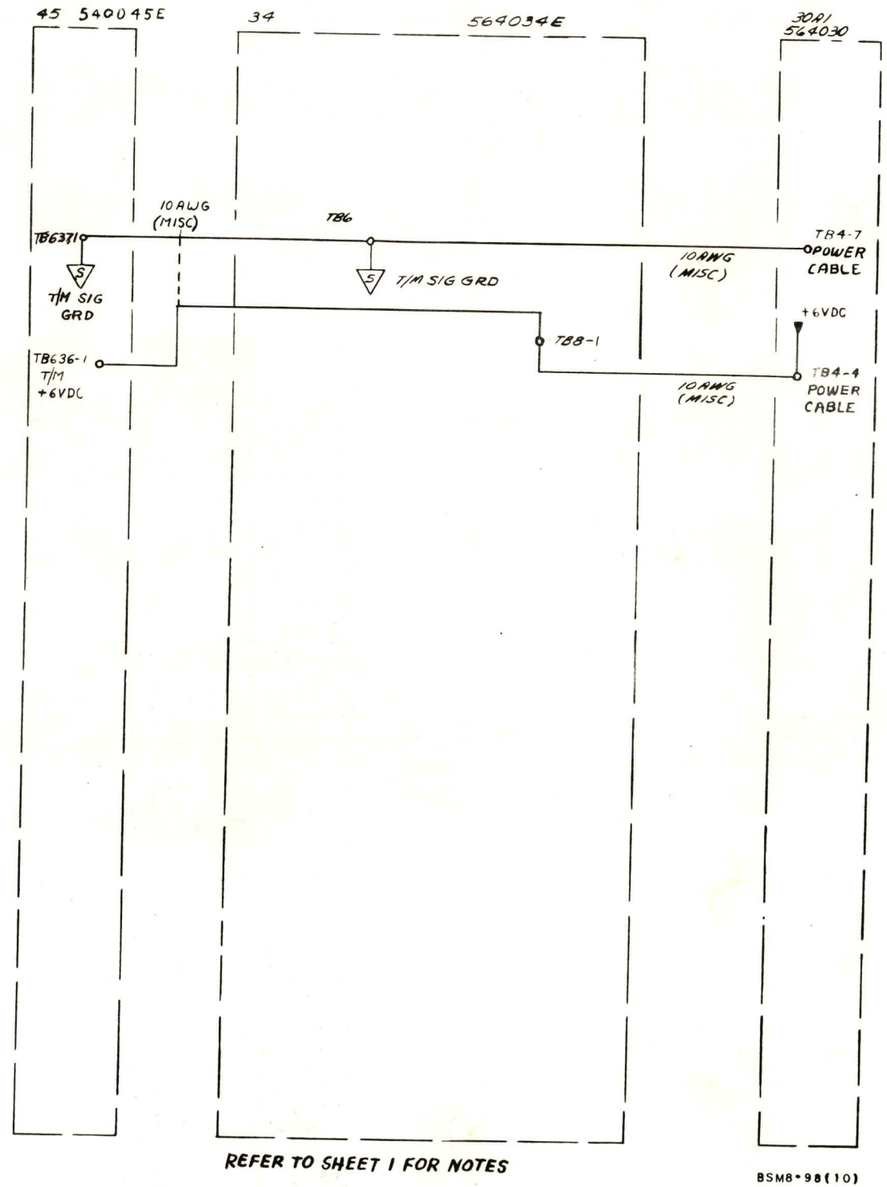
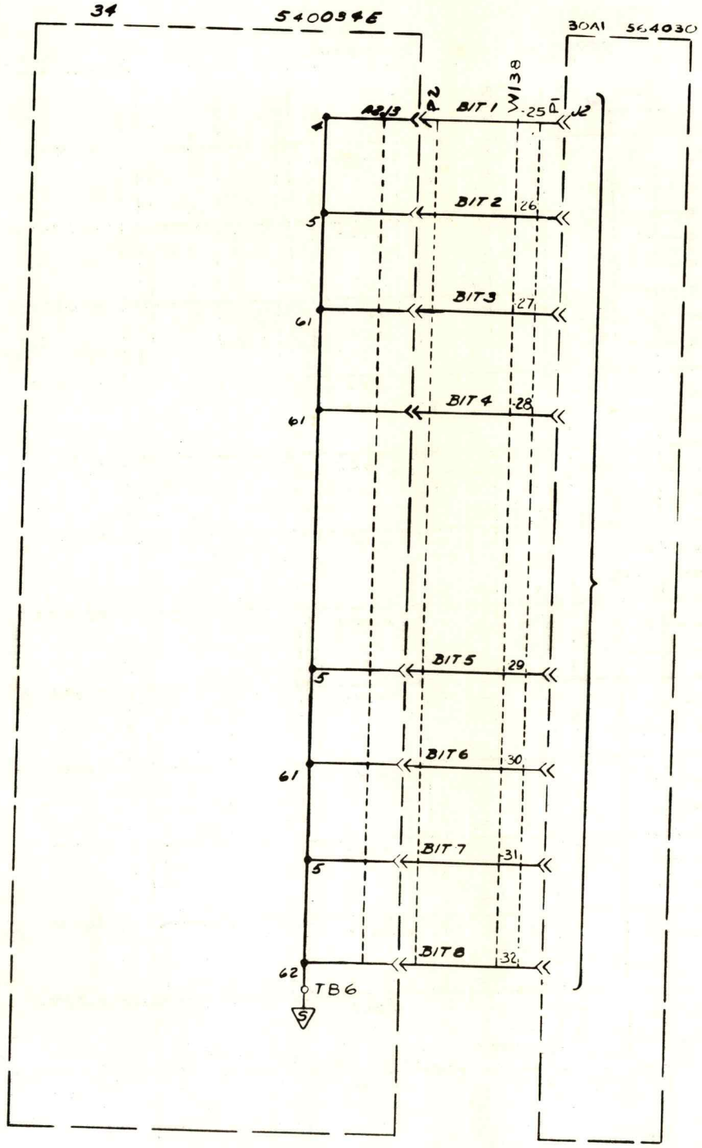
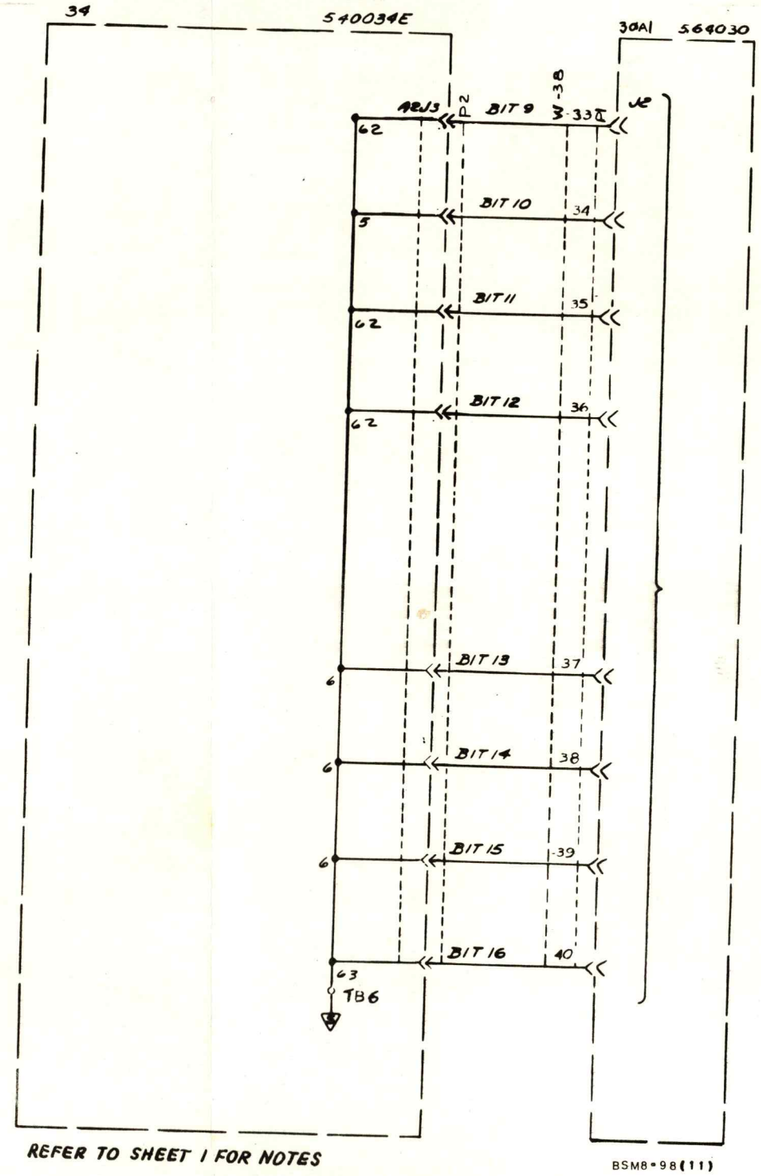


Figure 8-98. Down Telemetry (Sheet 10 of 25)

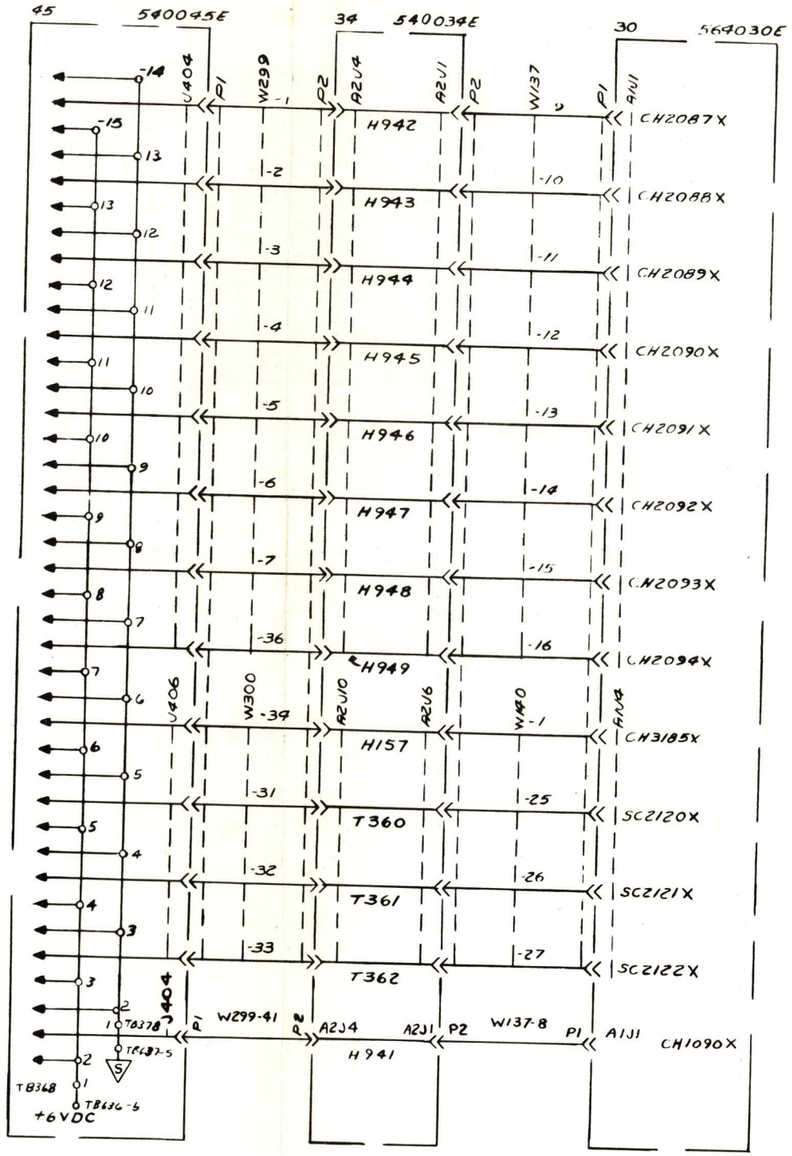


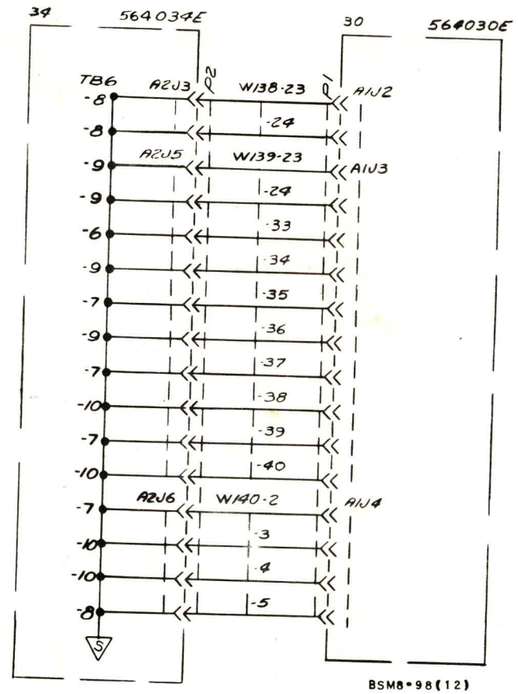


REFER TO SHEET 1 FOR NOTES

BSM8-98(11)

Figure 8-98. Down Telemetry (Sheet 11 of 25)





BSM8-98(12)

REFER TO SHEET 1 FOR NOTES

Figure 8-98. Down Telemetry (Sheet 12 of 25)

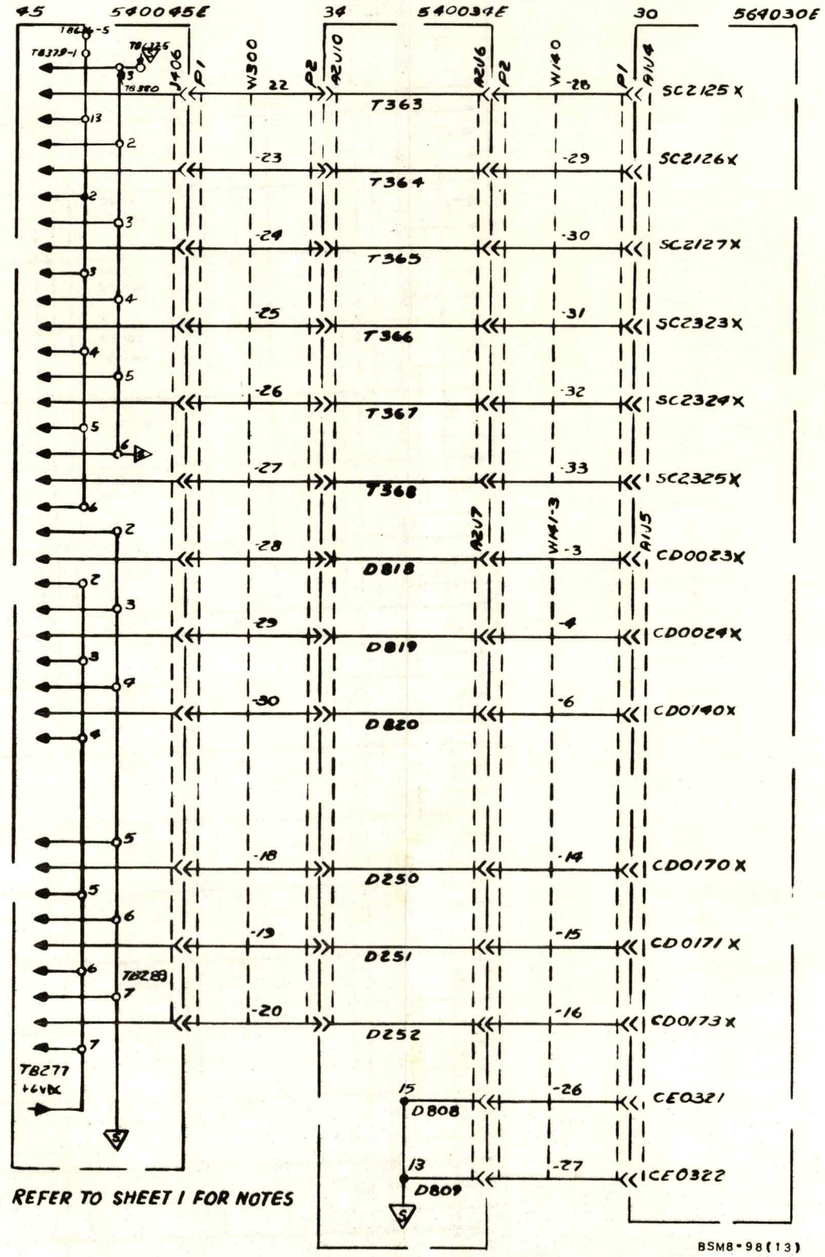
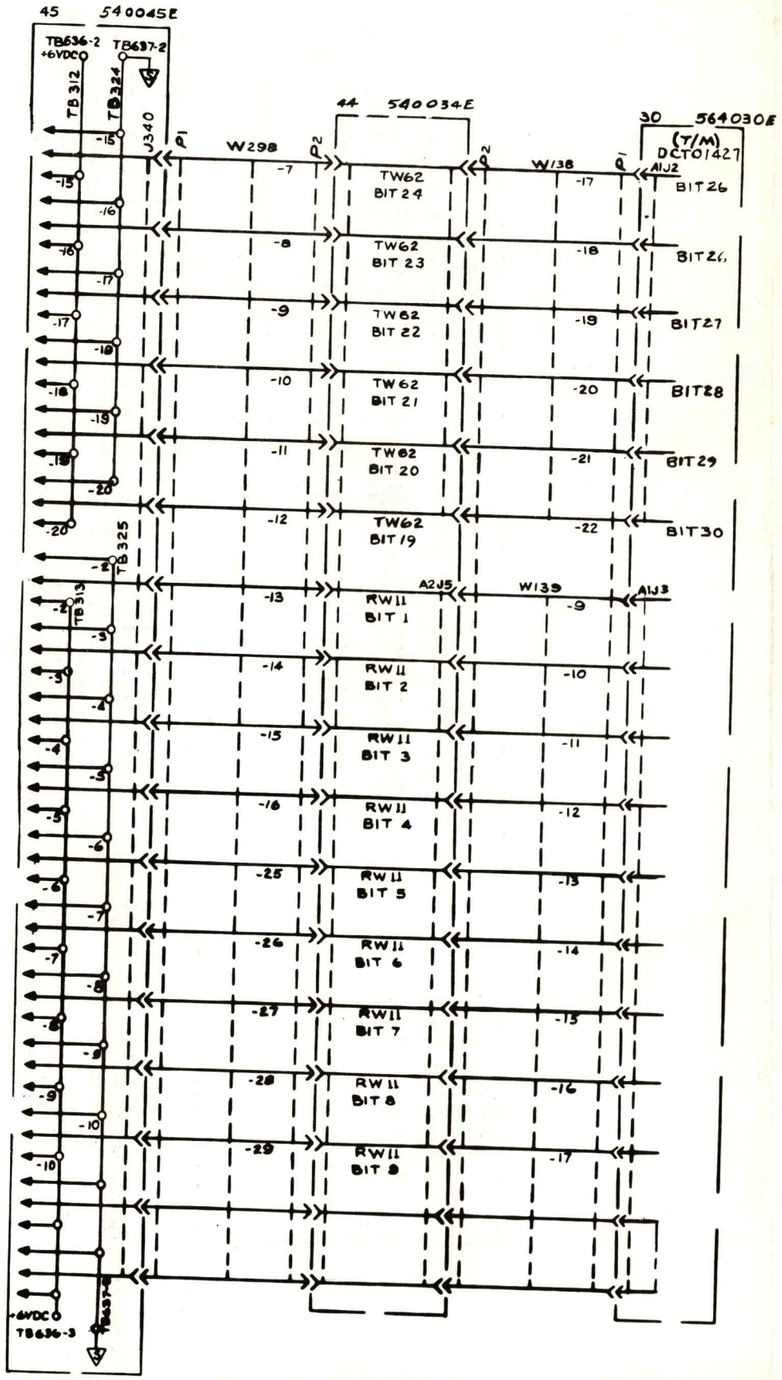
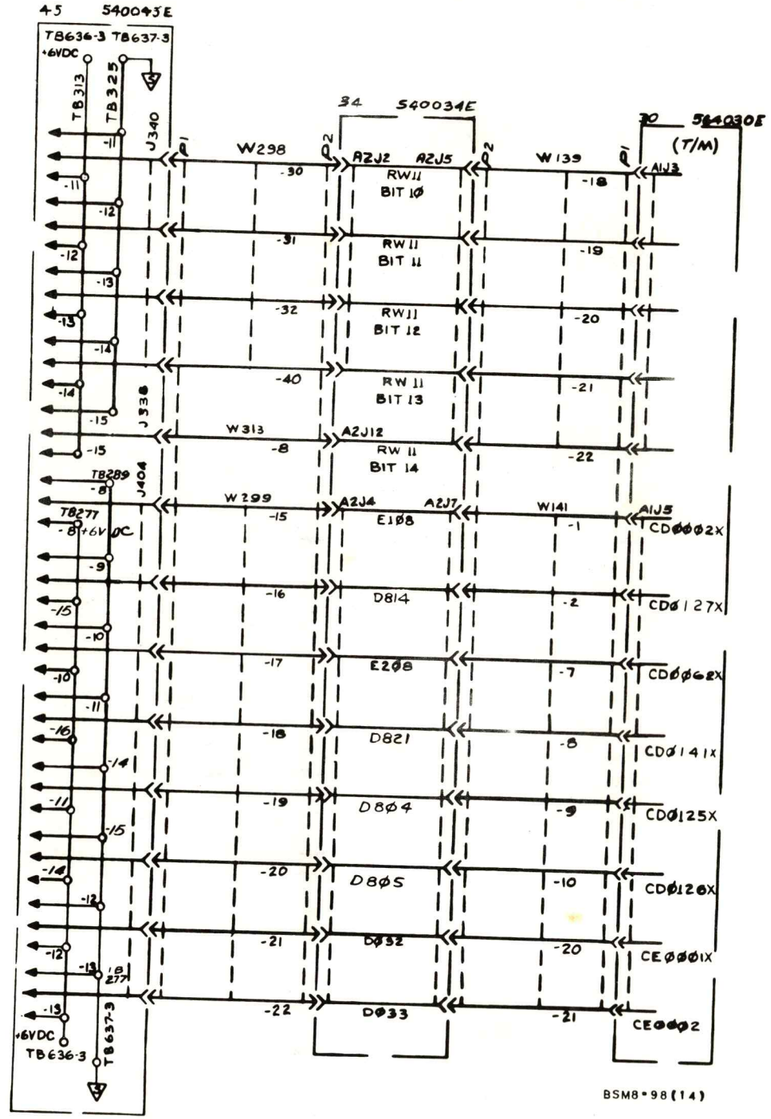


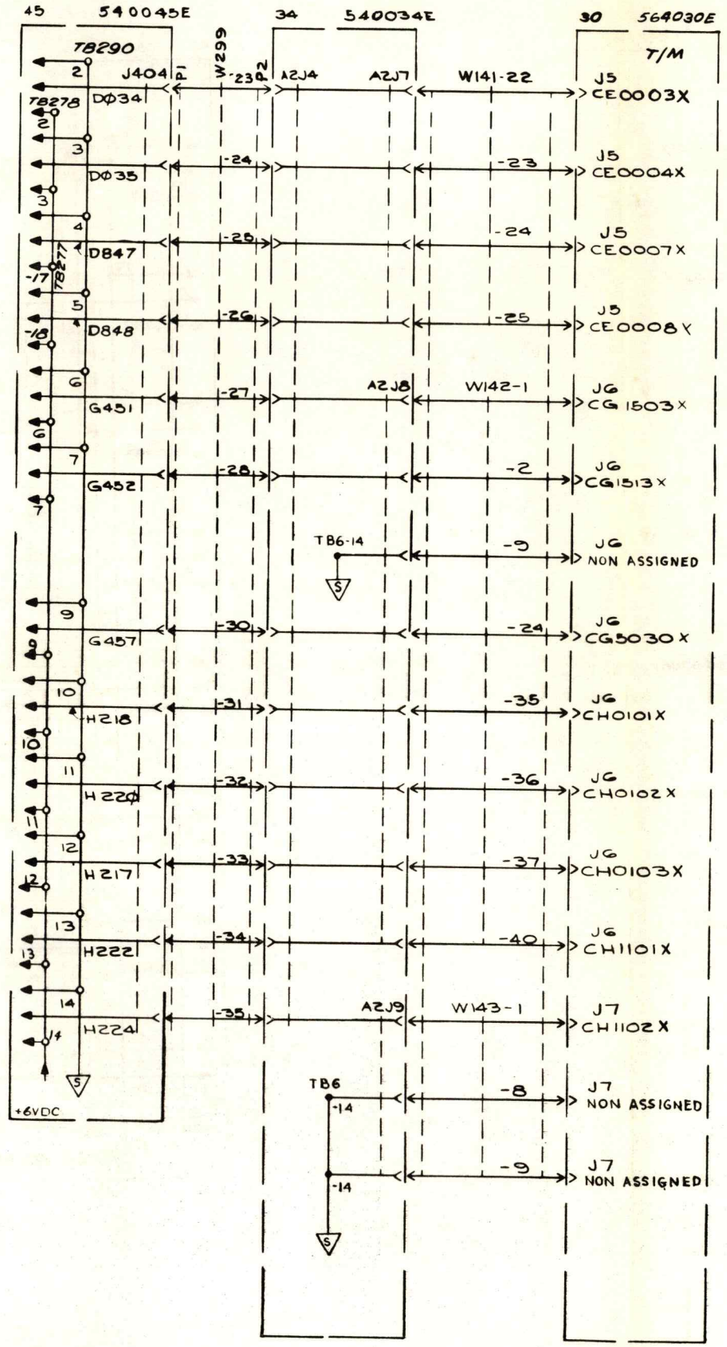
Figure 8-98. Down Telemetry (Sheet 13 of 25)





REFER TO SH-1 FOR NOTES

Figure 8-98. Down Telemetry (Sheet 14 of 25)



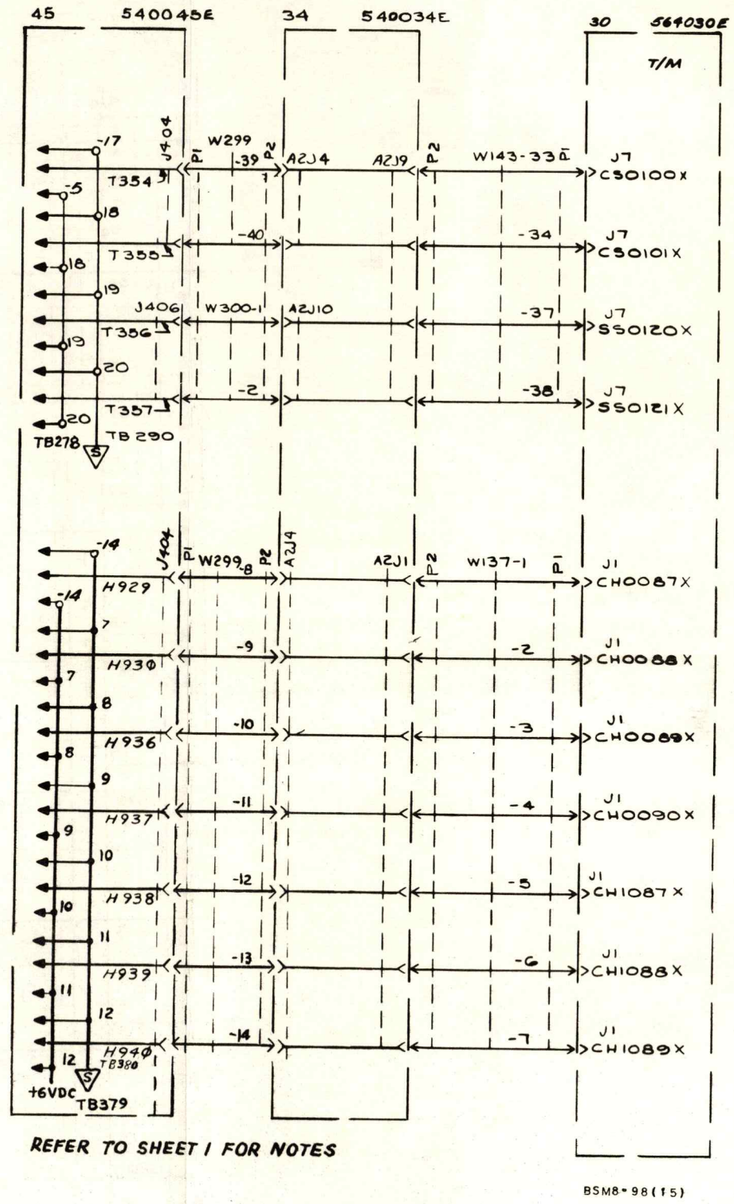
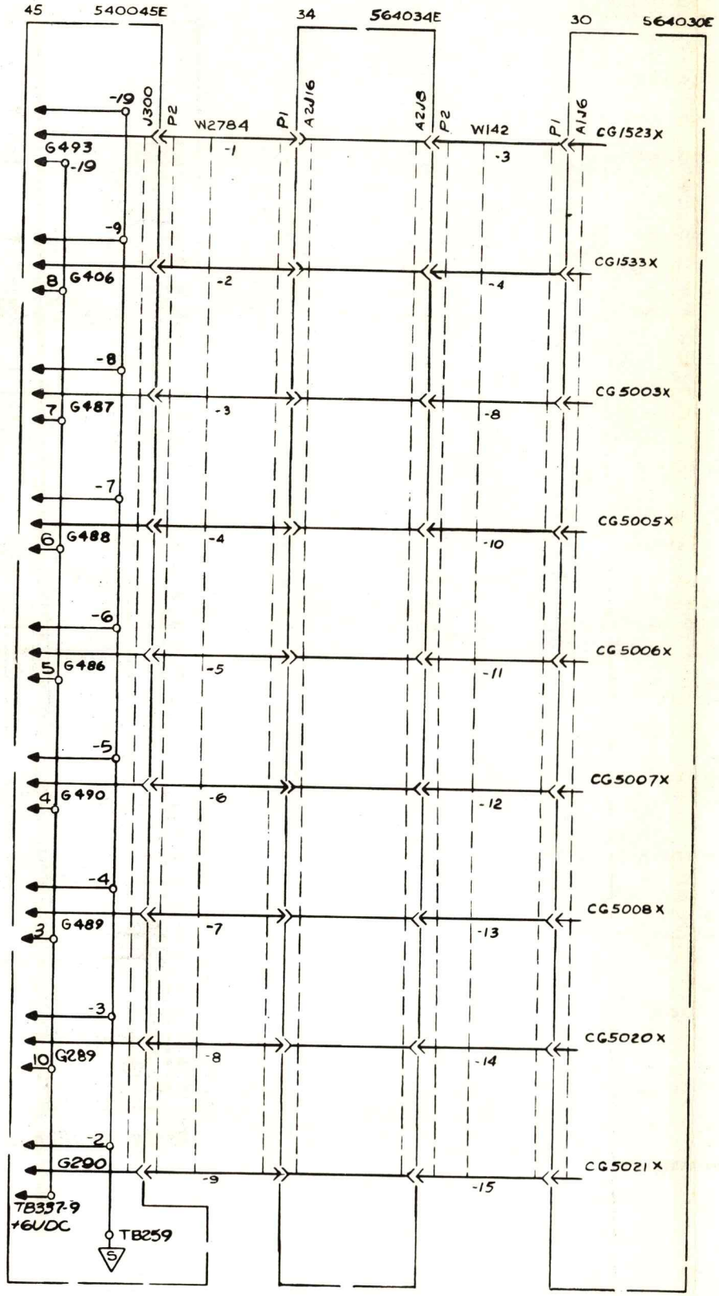


Figure 8-98. Down Telemetry (Sheet 15 of 25)



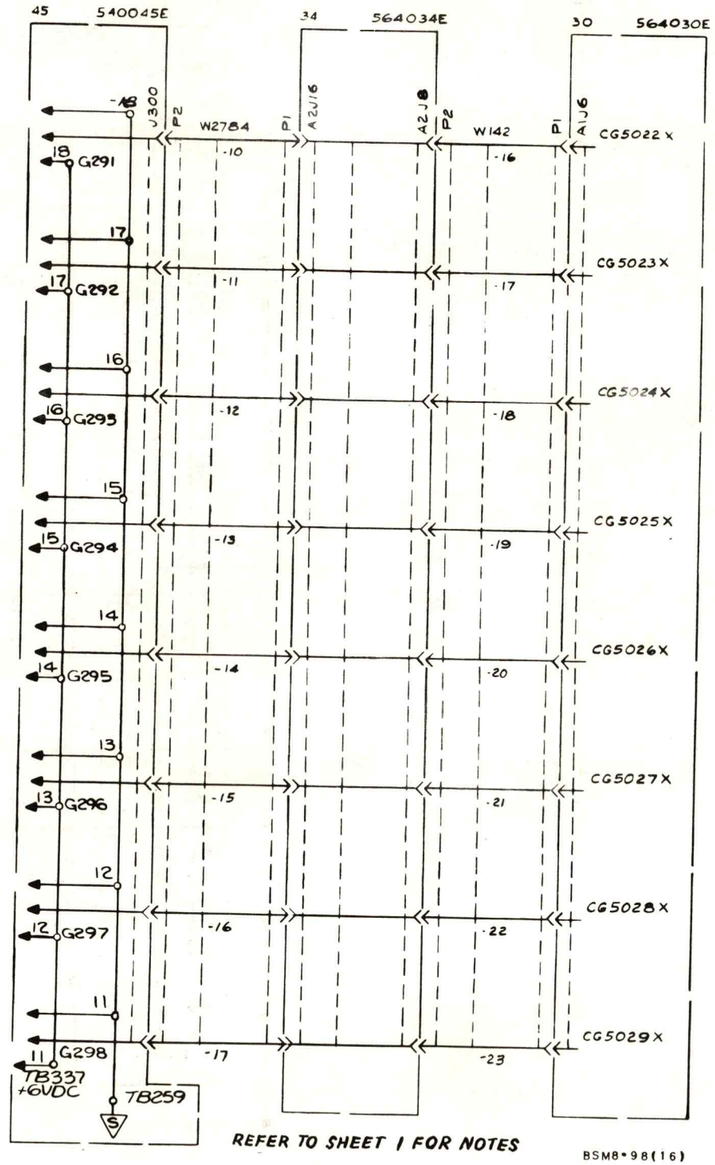
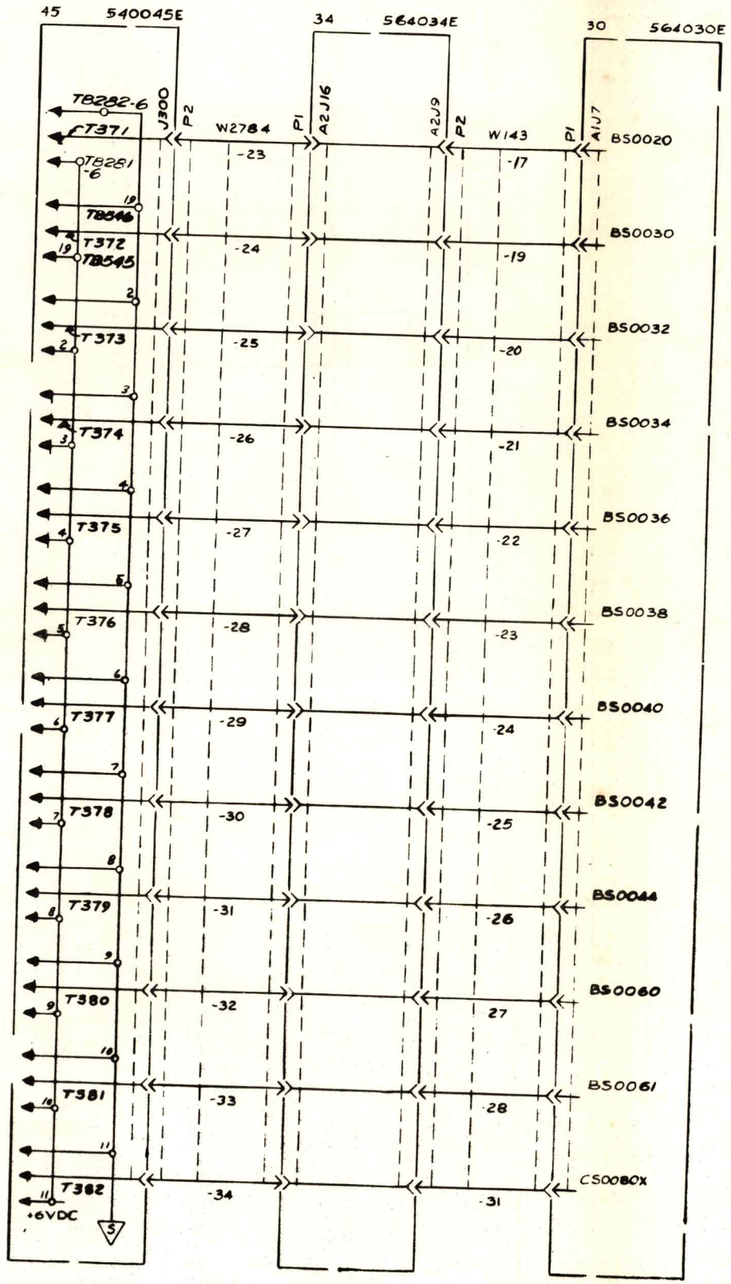


Figure 8-98. Down Telemetry (Sheet 16 of 25)



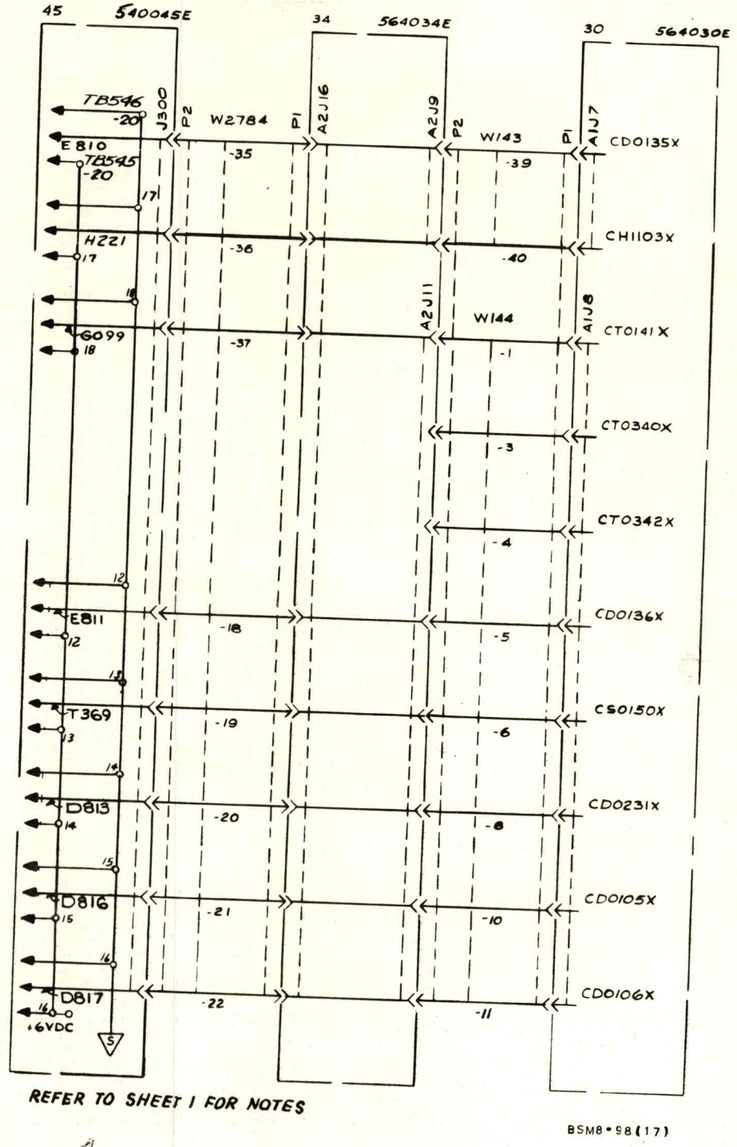
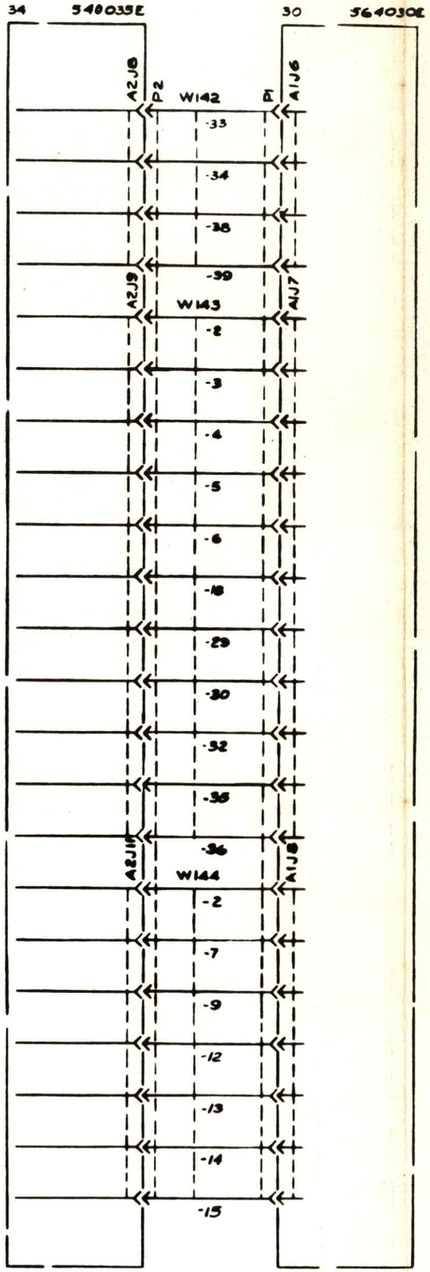
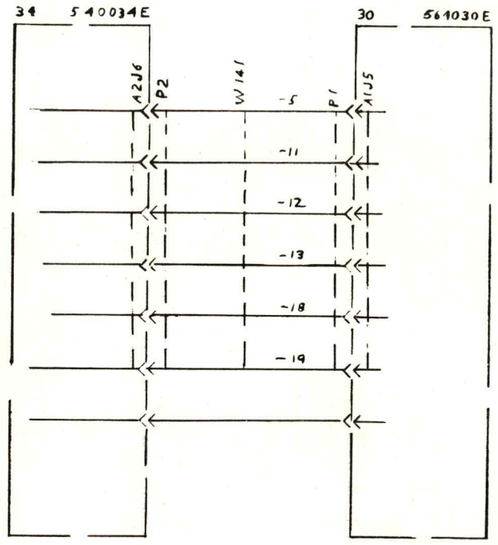


Figure 8-98. Down Telemetry (Sheet 17 of 25)





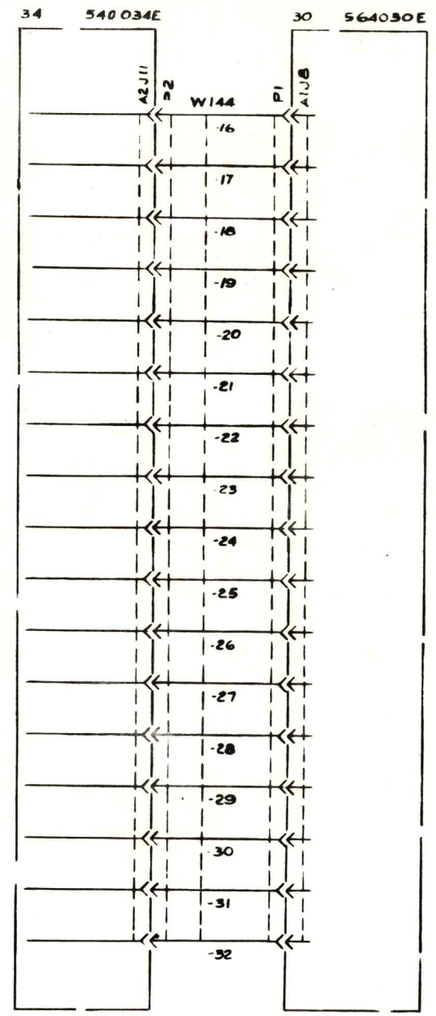
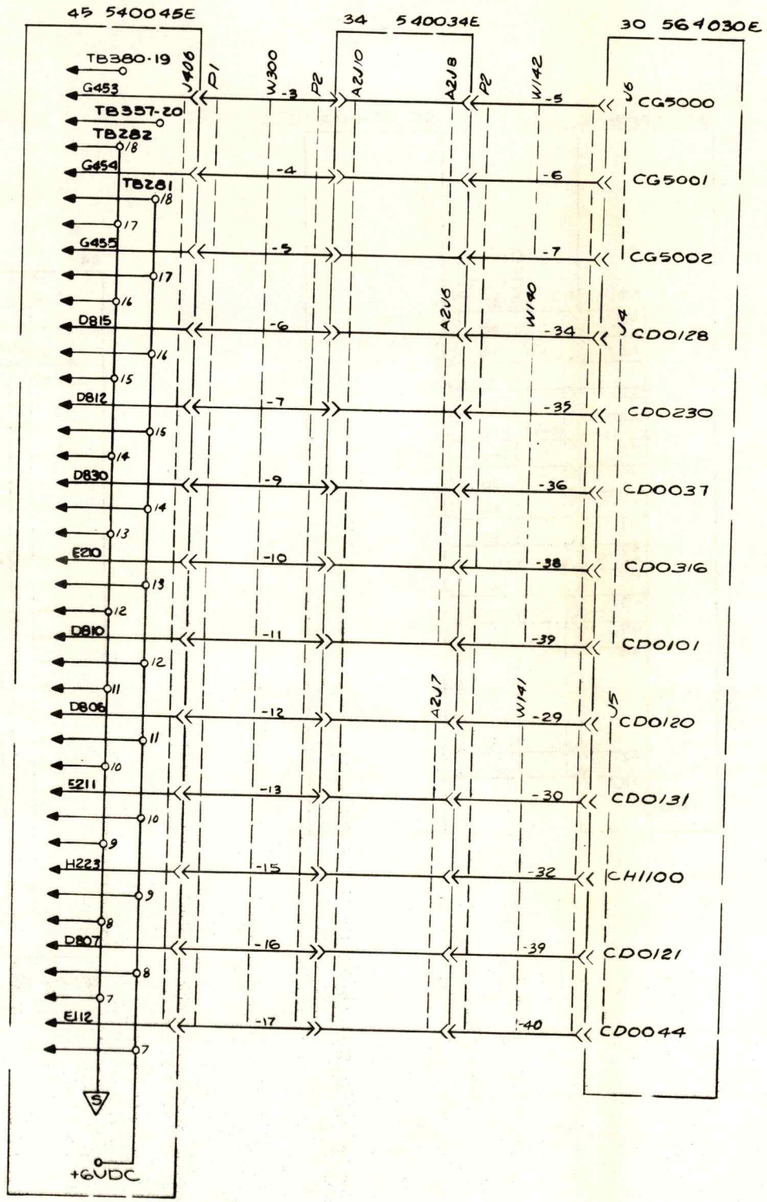


Figure 8-98. Down Telemetry (Sheet 18 of 25)



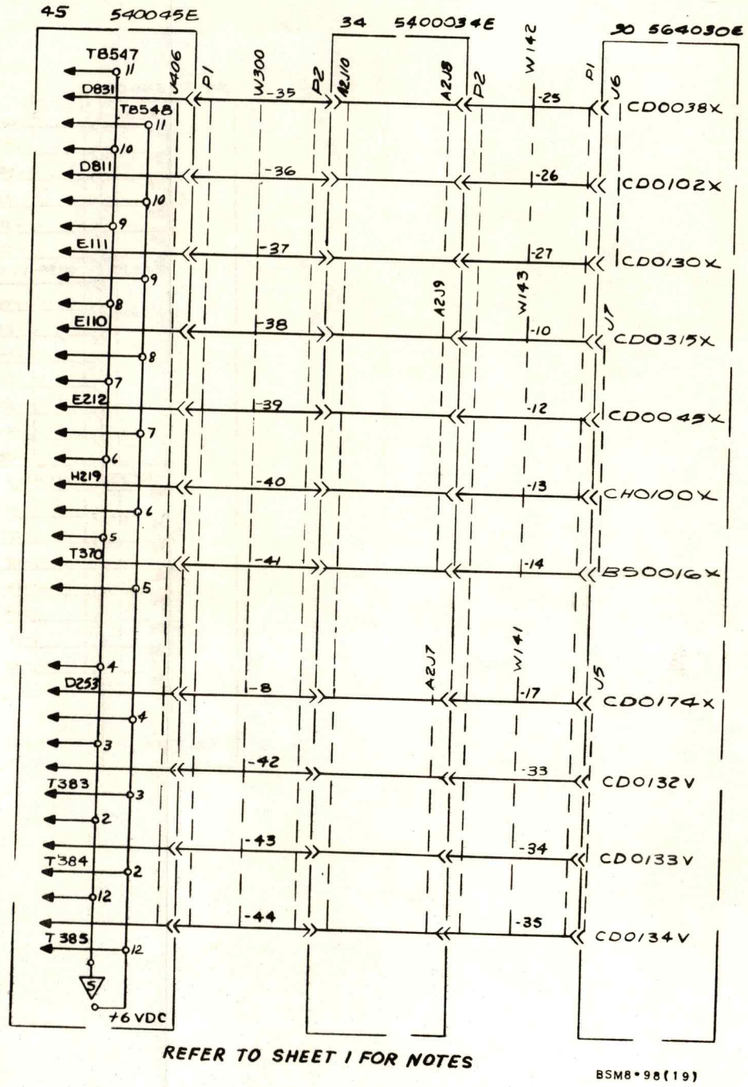
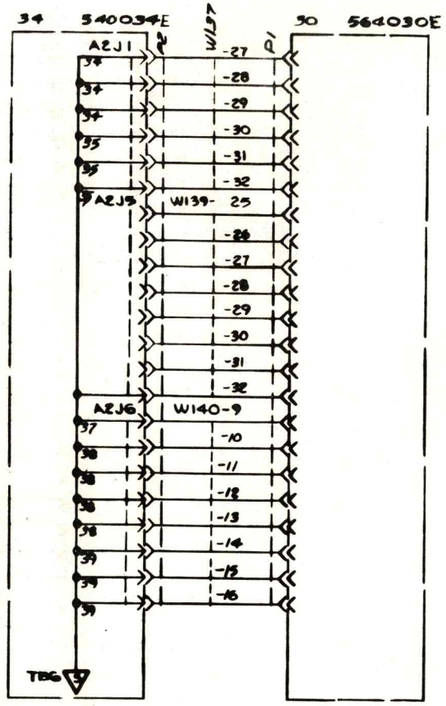
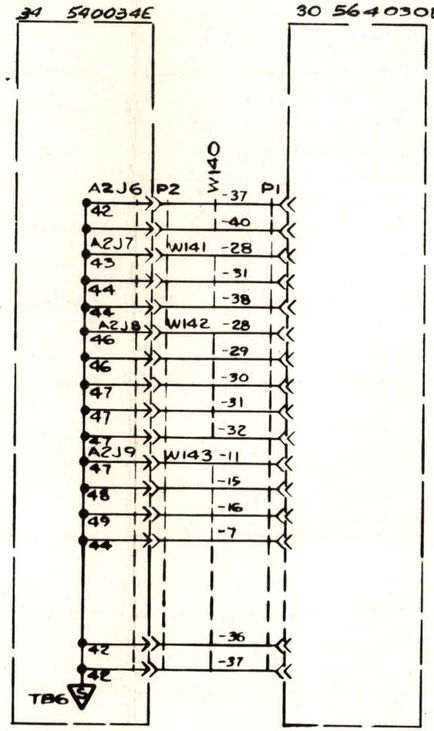
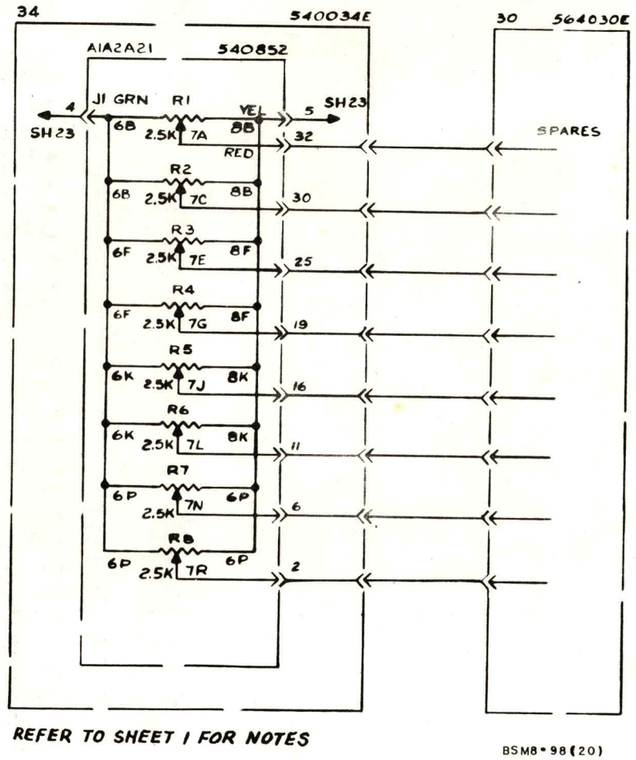


Figure 8-98. Down Telemetry (Sheet 19 of 25)







REFER TO SHEET 1 FOR NOTES

BSM8-98(20)

Figure 8-98. Down Telemetry (Sheet 20 of 25)

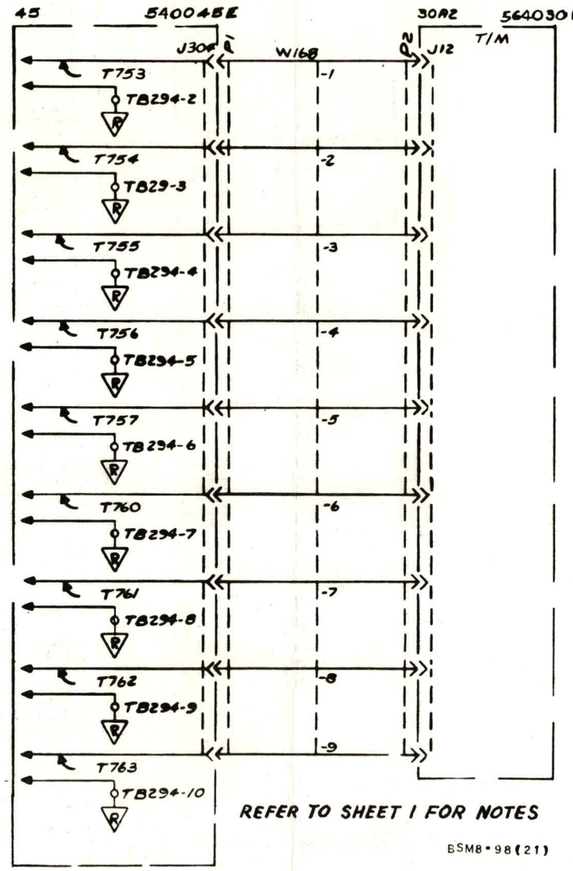
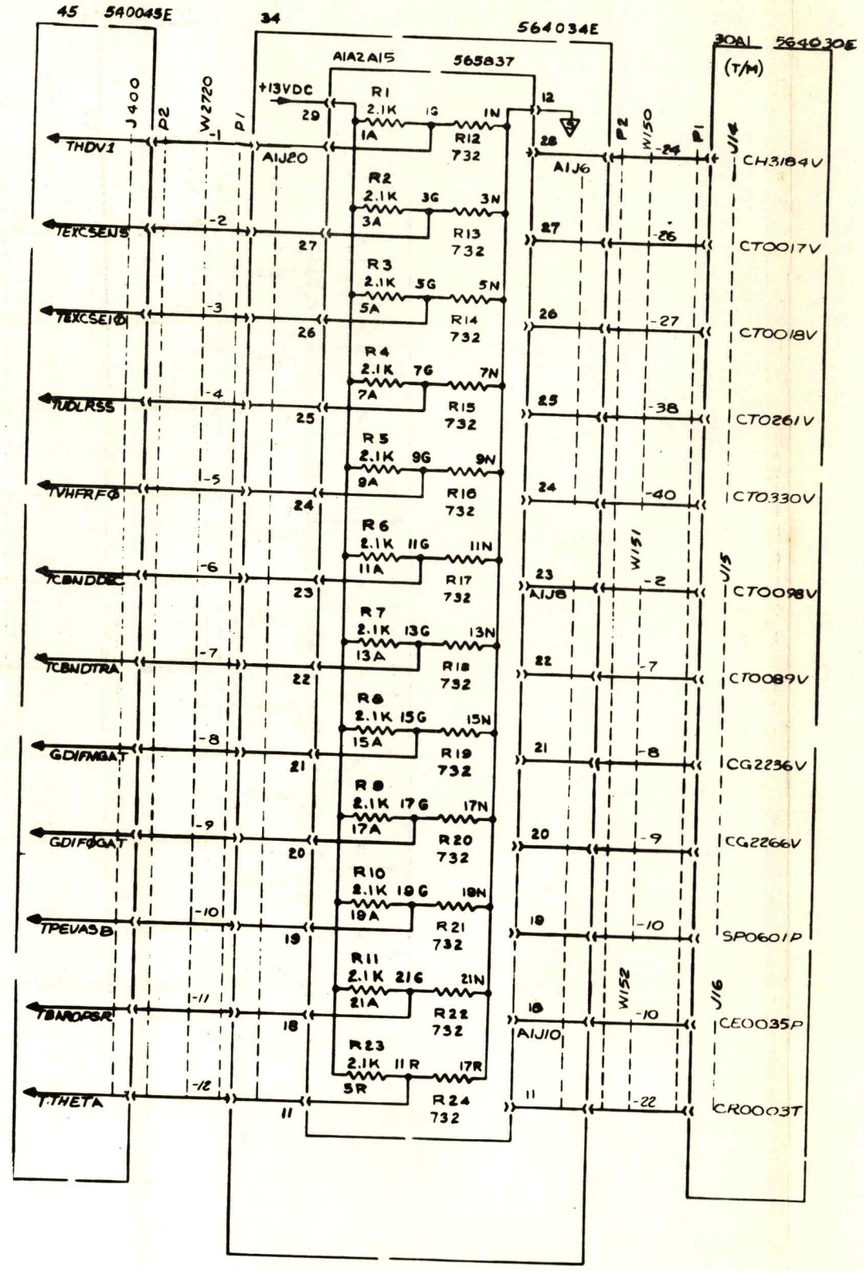


Figure 8-98. Down Telemetry (Sheet 21 of 25)



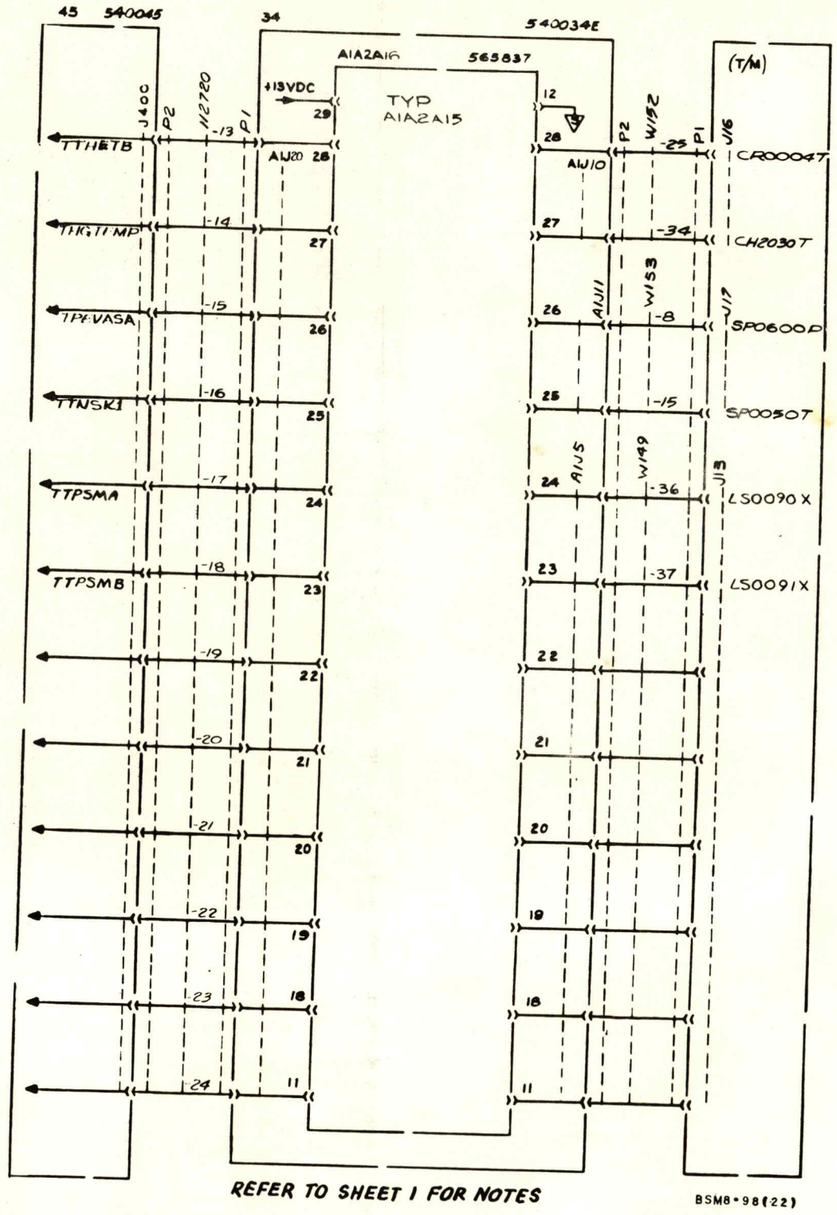


Figure 8-98. Down Telemetry (Sheet 22 of 25)

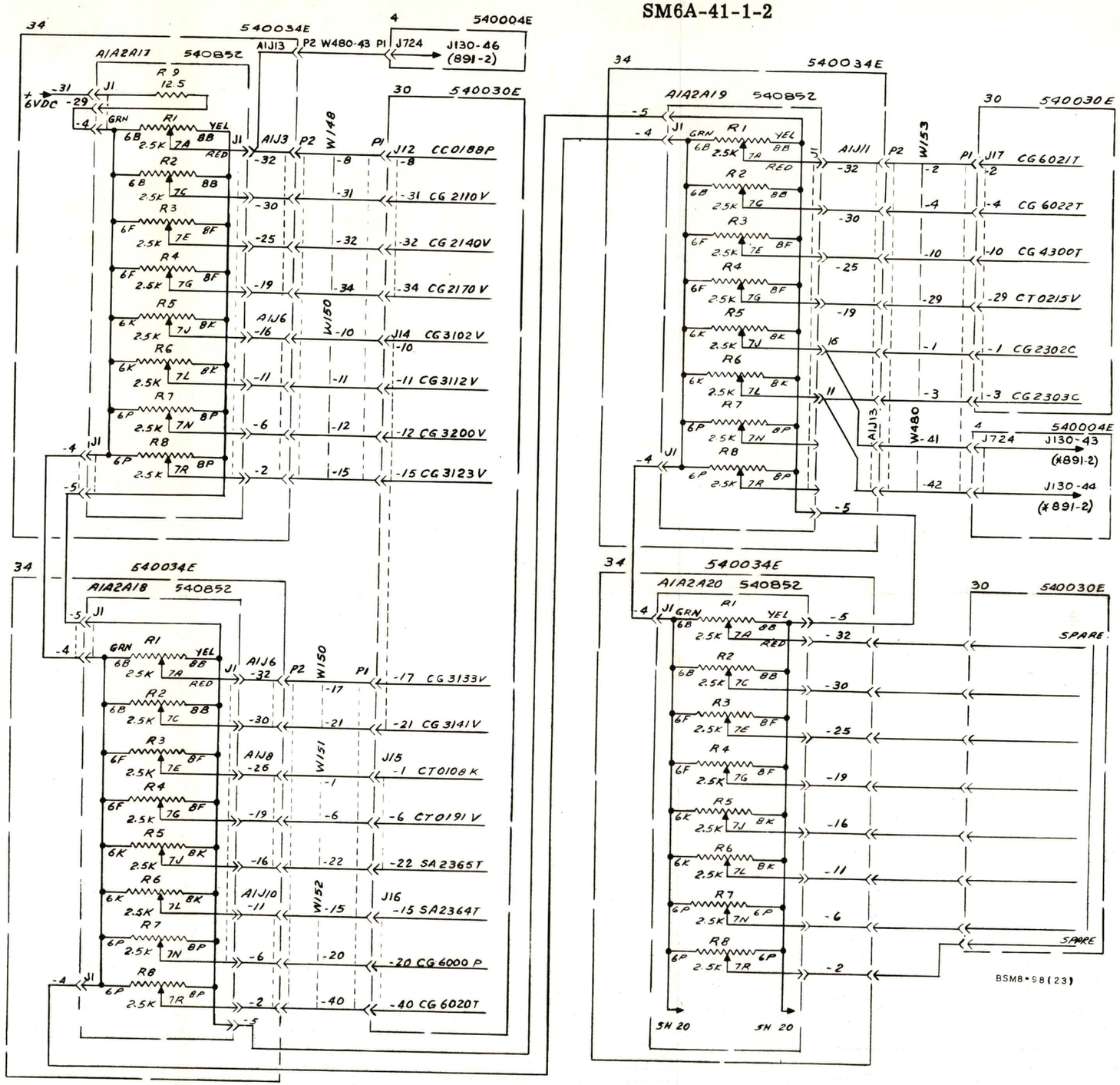


Figure 8-98. Down Telemetry (Sheet 23 of 25)

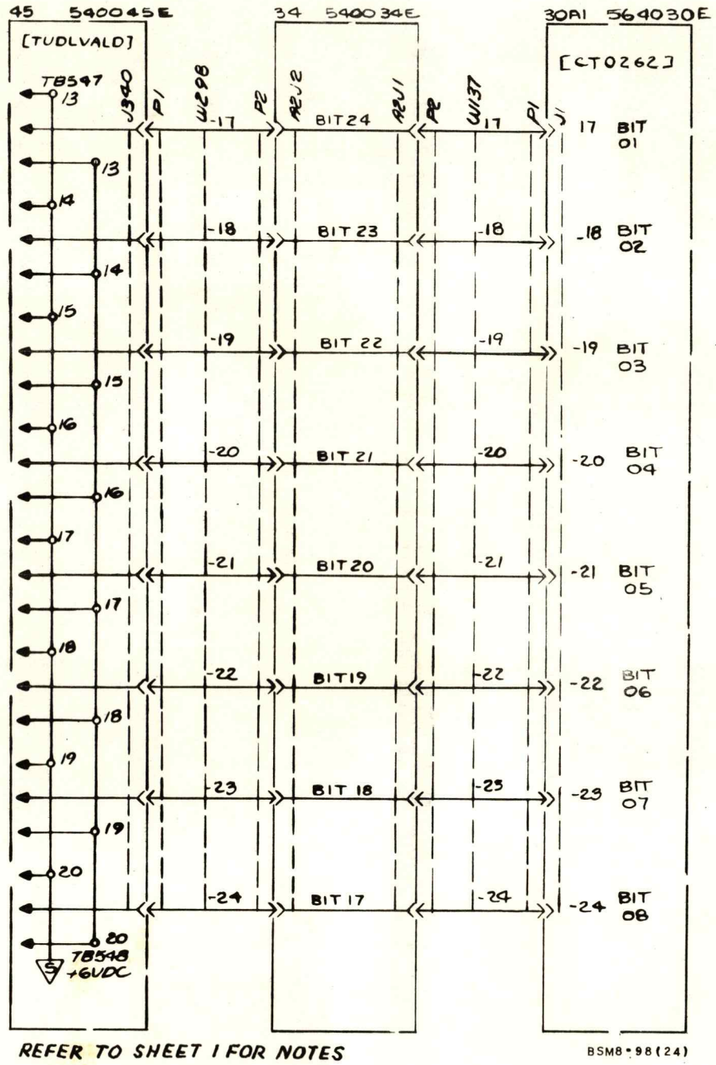


Figure 8-98. Down Telemetry (Sheet 24 of 25)

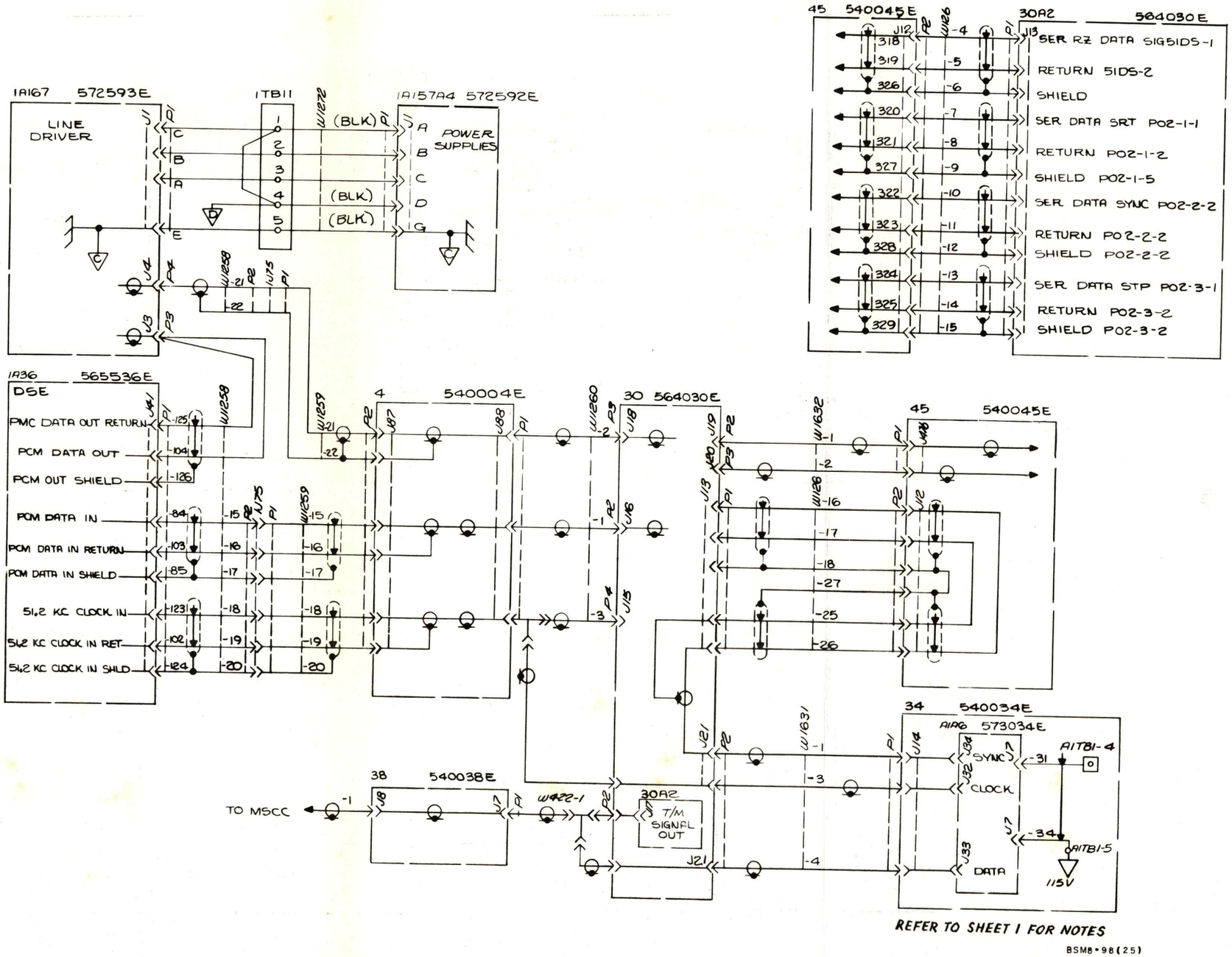
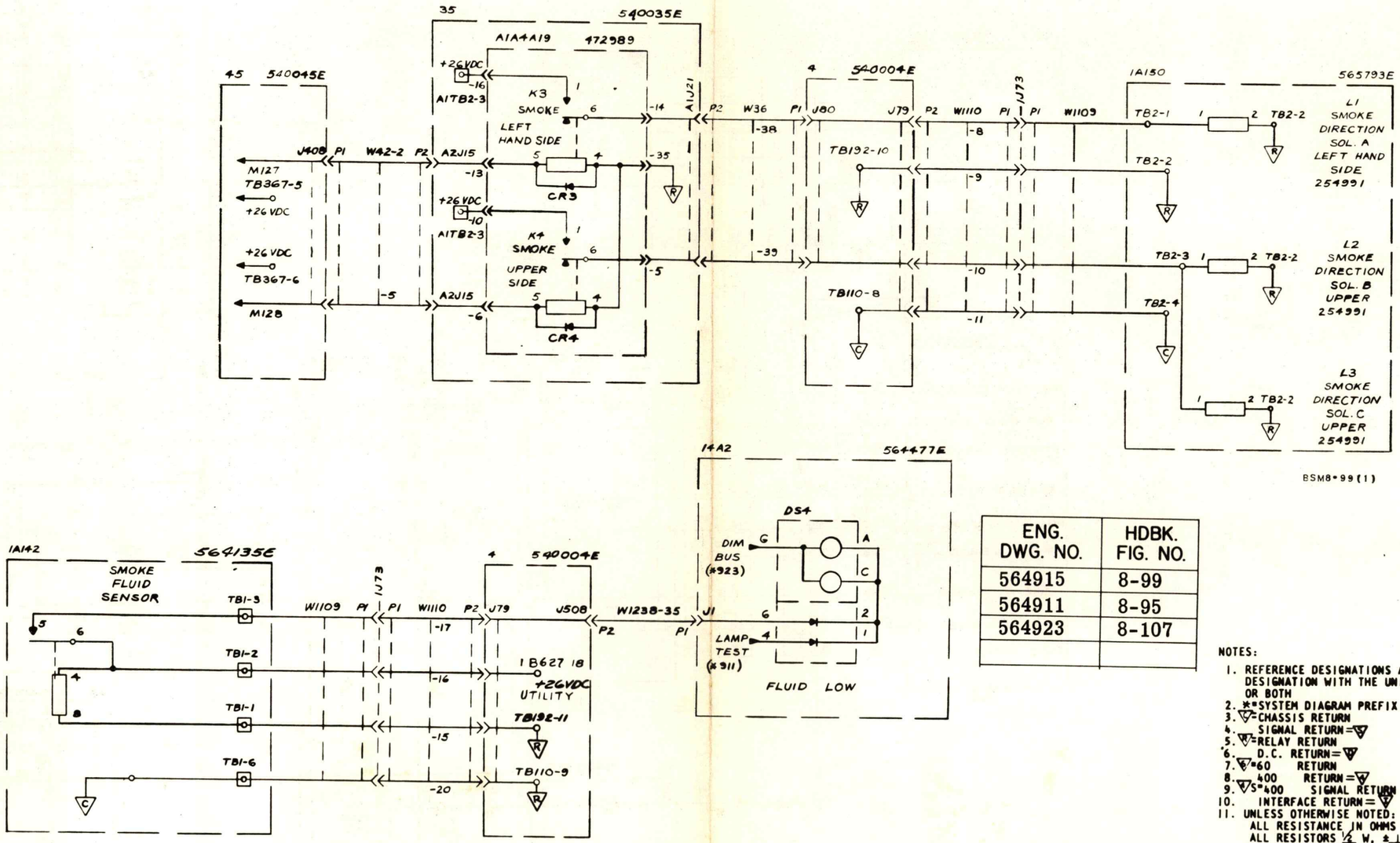


Figure 8-98. Down Telemetry (Sheet 25 of 25)



BSM8*99(1)

ENG. DWG. NO.	HDBK. FIG. NO.
564915	8-99
564911	8-95
564923	8-107

NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. *=SYSTEM DIAGRAM PREFIX WITH B564
3. ▽=CHASSIS RETURN
4. SIGNAL RETURN=▽
5. ▽R=RELAY RETURN
6. D.C. RETURN=▽
7. ▽6=60 RETURN
8. 400 RETURN=▽
9. ▽S=400 SIGNAL RETURN
10. INTERFACE RETURN=▽
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS 1/2 W, ±1 %
    ALL RESISTORS ___Ω
    ALL LAMP LENS WHT

Figure 8-99. Smoke Generator (Sheet 1 of 2)

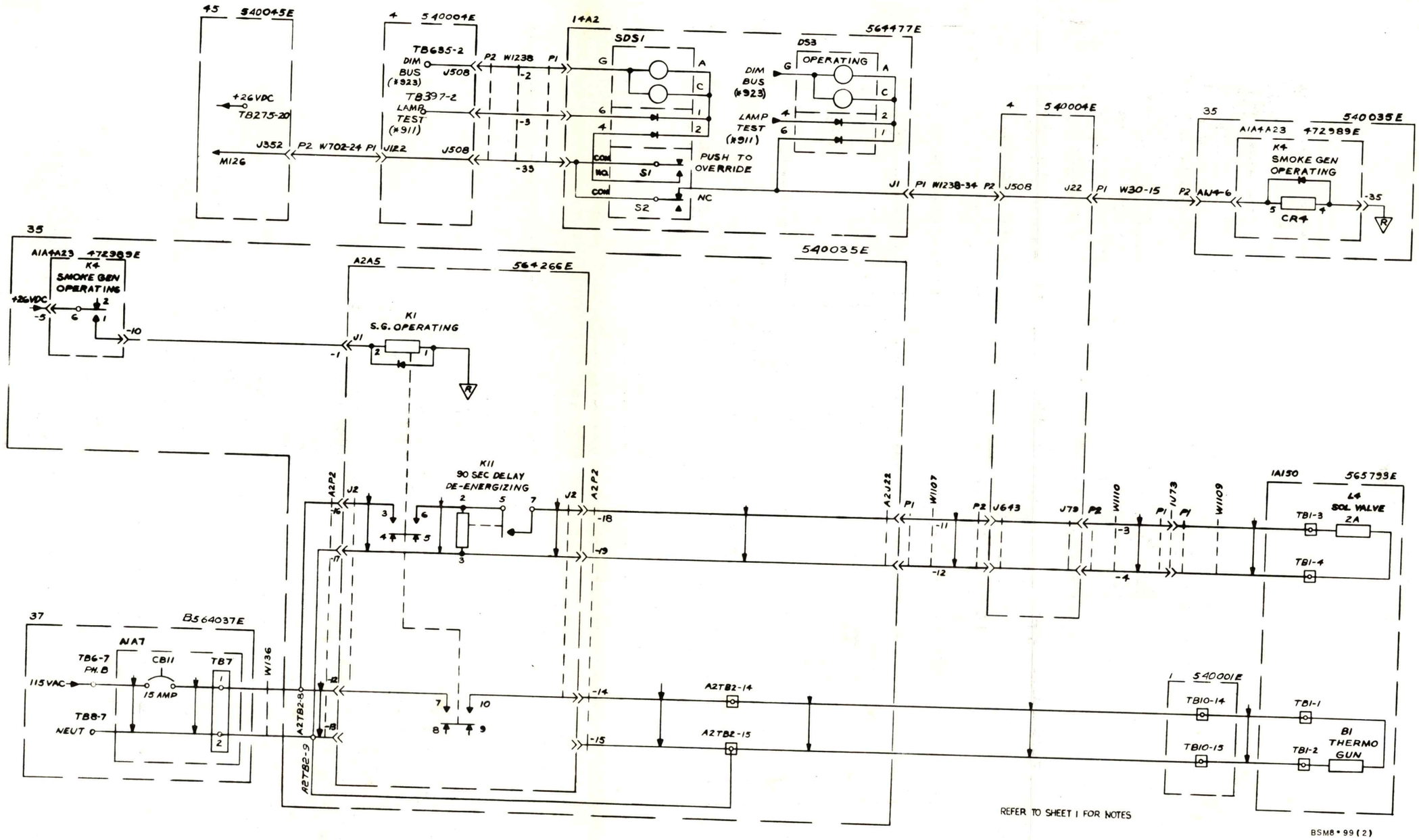
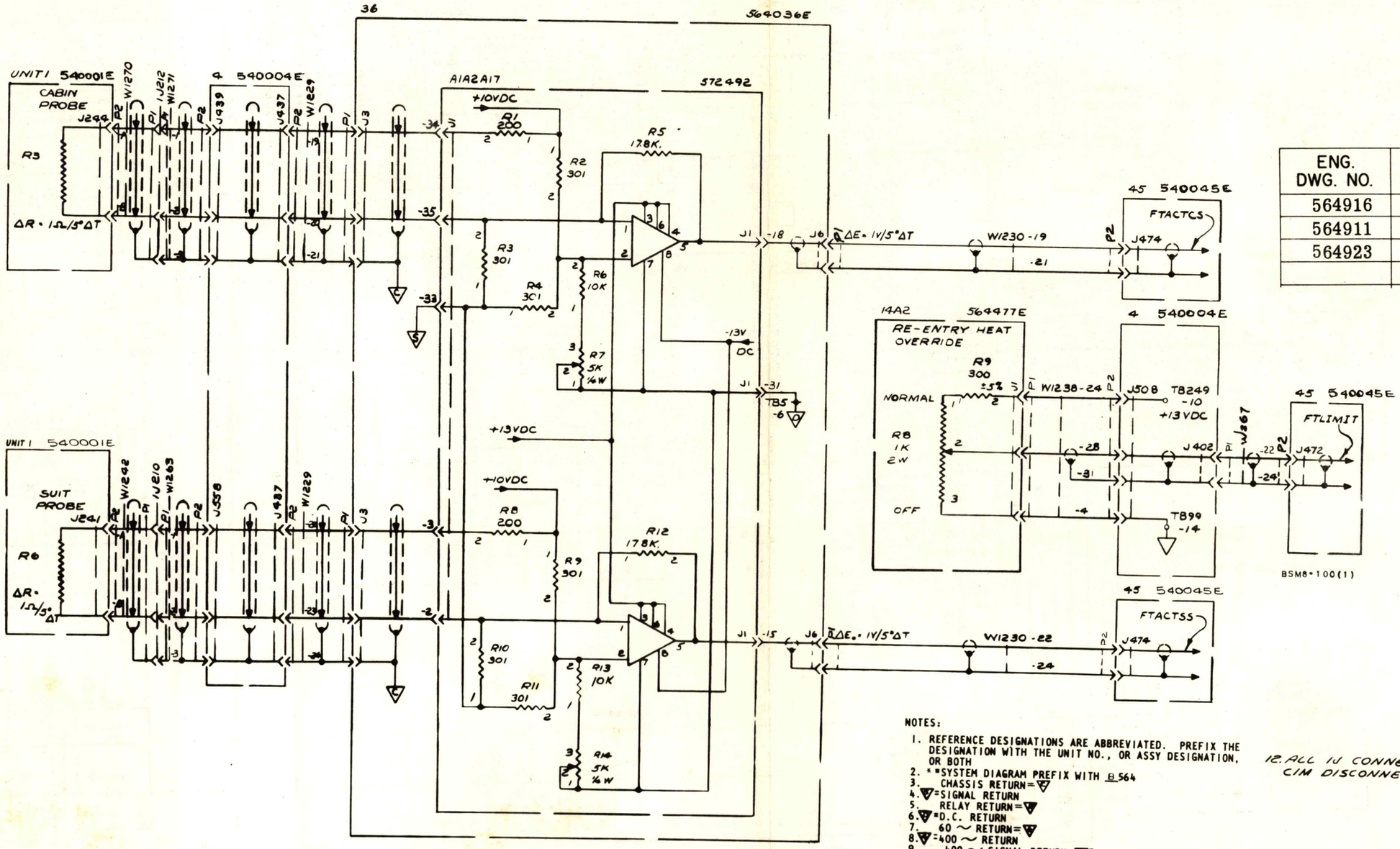


Figure 8-99. Smoke Generator (Sheet 2 of 2)



ENG. DWG. NO.	HDBK. FIG. NO.
564916	8-100
564911	8-95
564923	8-107

NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. * = SYSTEM DIAGRAM PREFIX WITH B 564
3. CHASSIS RETURN = ▽
4. ▽ = SIGNAL RETURN
5. RELAY RETURN = ▽
6. ▽ = D.C. RETURN
7. 60 ~ RETURN = ▽
8. ▽ = 400 ~ RETURN
9. 400 ~ SIGNAL RETURN = ▽S
10. ▽ = INTERFACE RETURN
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS ½w, 1%

12. ALL IN CONNECTORS LOCATED ON CIM DISCONNECT PANEL

Figure 8-100. Cabin Temperature Control (Sheet 1 of 3)

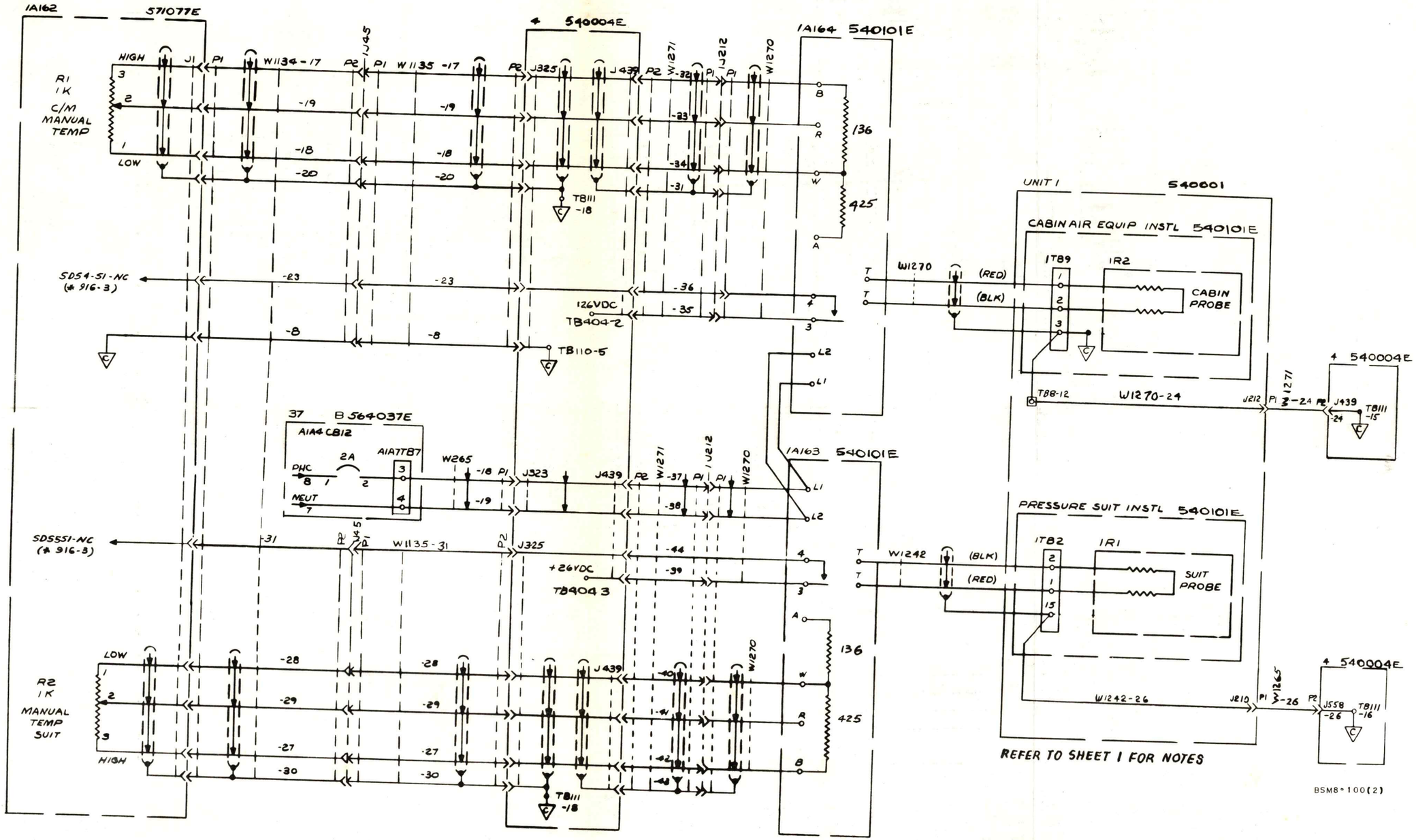


Figure 8-100. Cabin Temperature Control (Sheet 2 of 3)

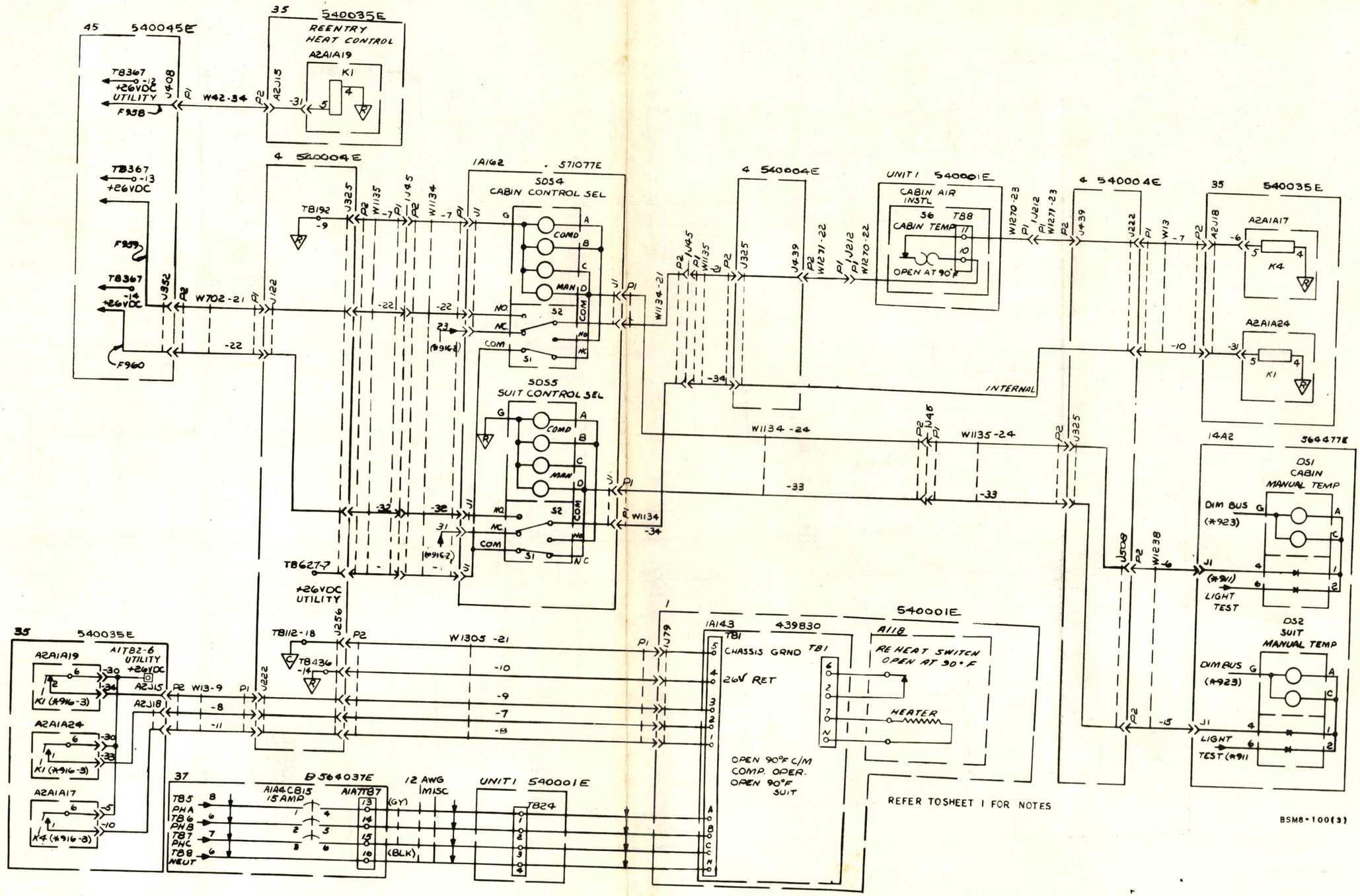
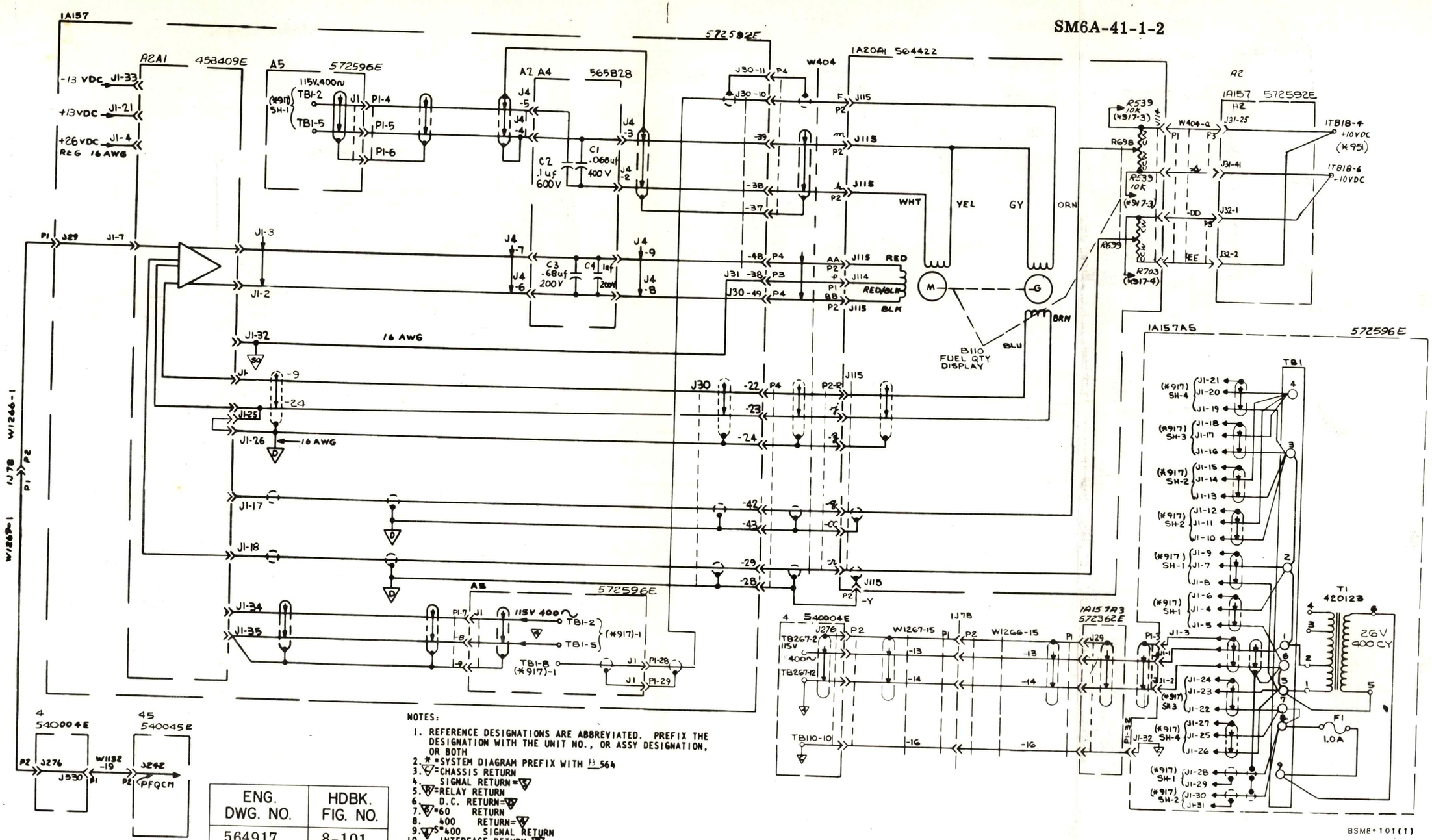


Figure 8-100. Cabin Temperature Control (Sheet 3 of 3)



NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. * =SYSTEM DIAGRAM PREFIX WITH 13 564
3. ▽=CHASSIS RETURN
4. SIGNAL RETURN =▽
5. ▽=RELAY RETURN
6. D.C. RETURN=▽
7. ▽=60 RETURN
8. 400 RETURN=▽
9. ▽S=400 SIGNAL RETURN
10. INTERFACE RETURN=▽
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS 1/2 W, ± 1 %
    ALL RESISTORS ___Ω
    ALL LAMP LENS WHT
12. ALL IJ CONNECTORS LOCATED ON C/M DISCONNECT PANELS

ENG. DWG. NO.	HDBK. FIG. NO.
564917	8-101

BSM8*101(1)

Figure 8-101. SPS Indicator Drive (Sheet 1 of 4)

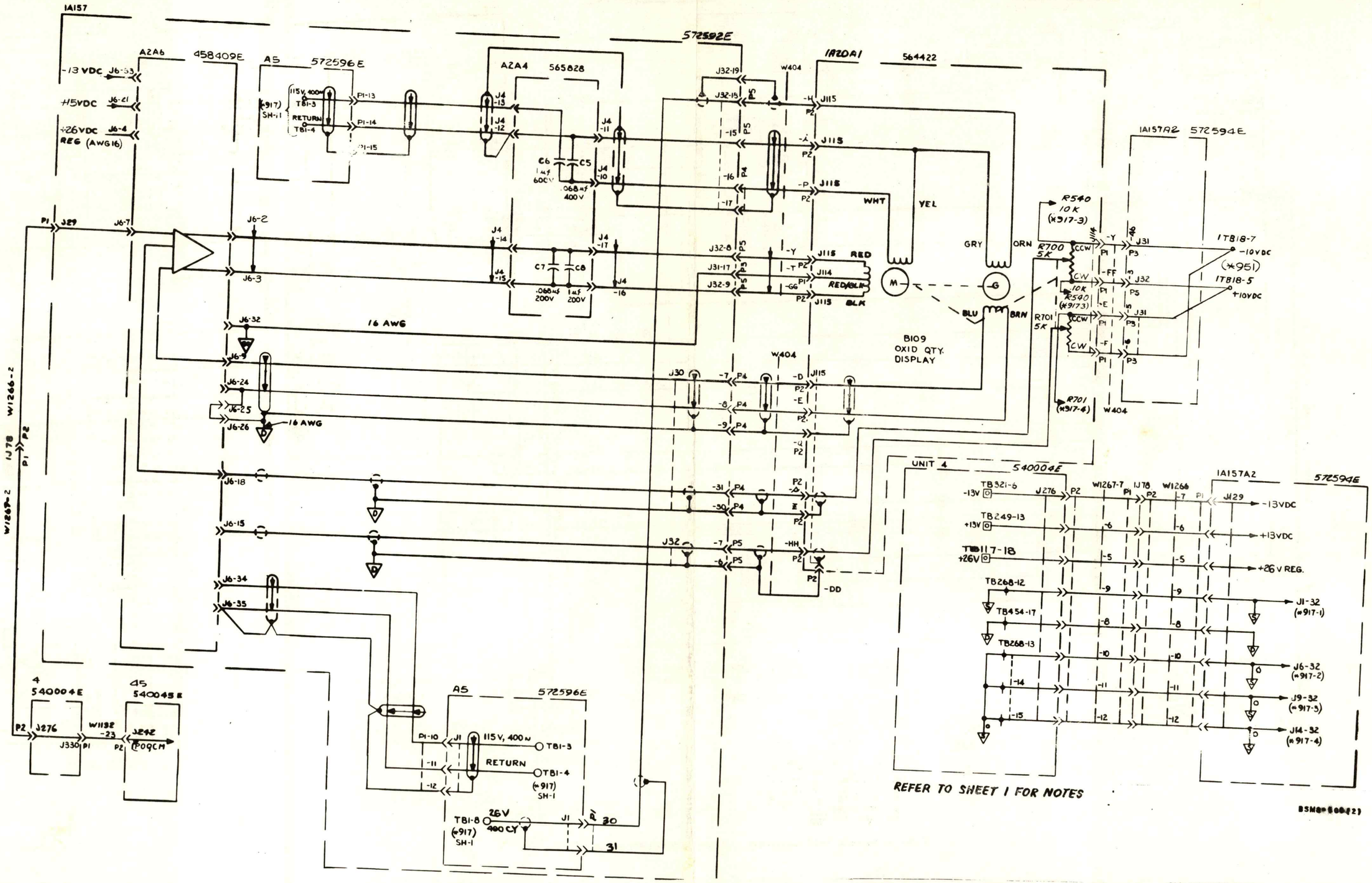


Figure 8-101. SPS Indicator Drive (Sheet 2 of 4)

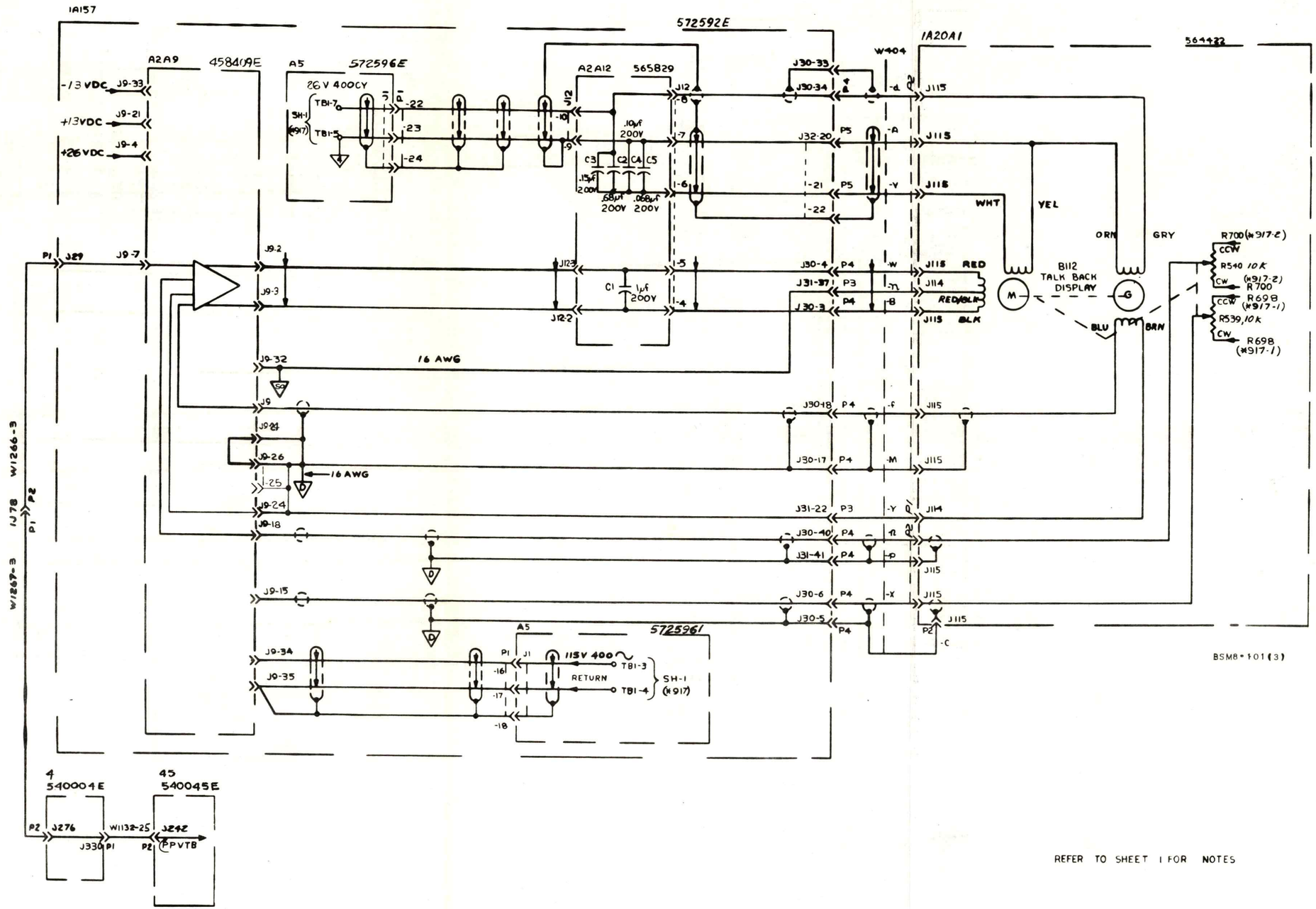


Figure 8-101. SPS Indicator Drive (Sheet 3 of 4)

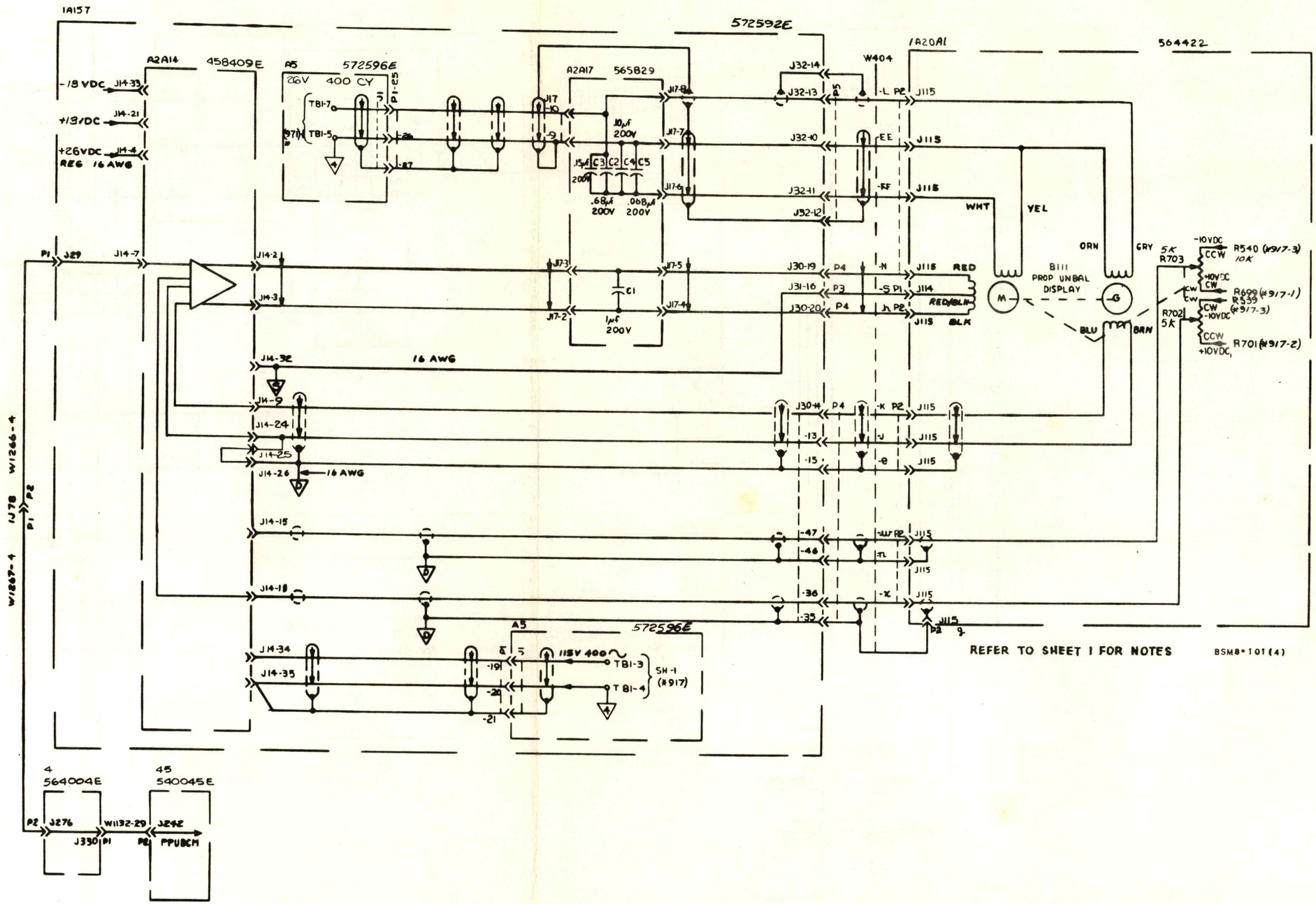


Figure 8-101. SPS Indicator Drive (Sheet 4 of 4)

NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. **=SYSTEM DIAGRAM PREFIX WITH __564
3. (C)=CHASSIS RETURN
4. SIGNAL RETURN = (S)
5. (R)=RELAY RETURN
6. D.C. RETURN = (D)
7. (6)=60 RETURN
8. 400 RETURN=(4)
9. (4S)=400 SIGNAL RETURN
10. I=INTERFACE RETURN
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS __ W, ±___%
    ALL RESISTORS ___Ω
    ALL LAMP LENS ___

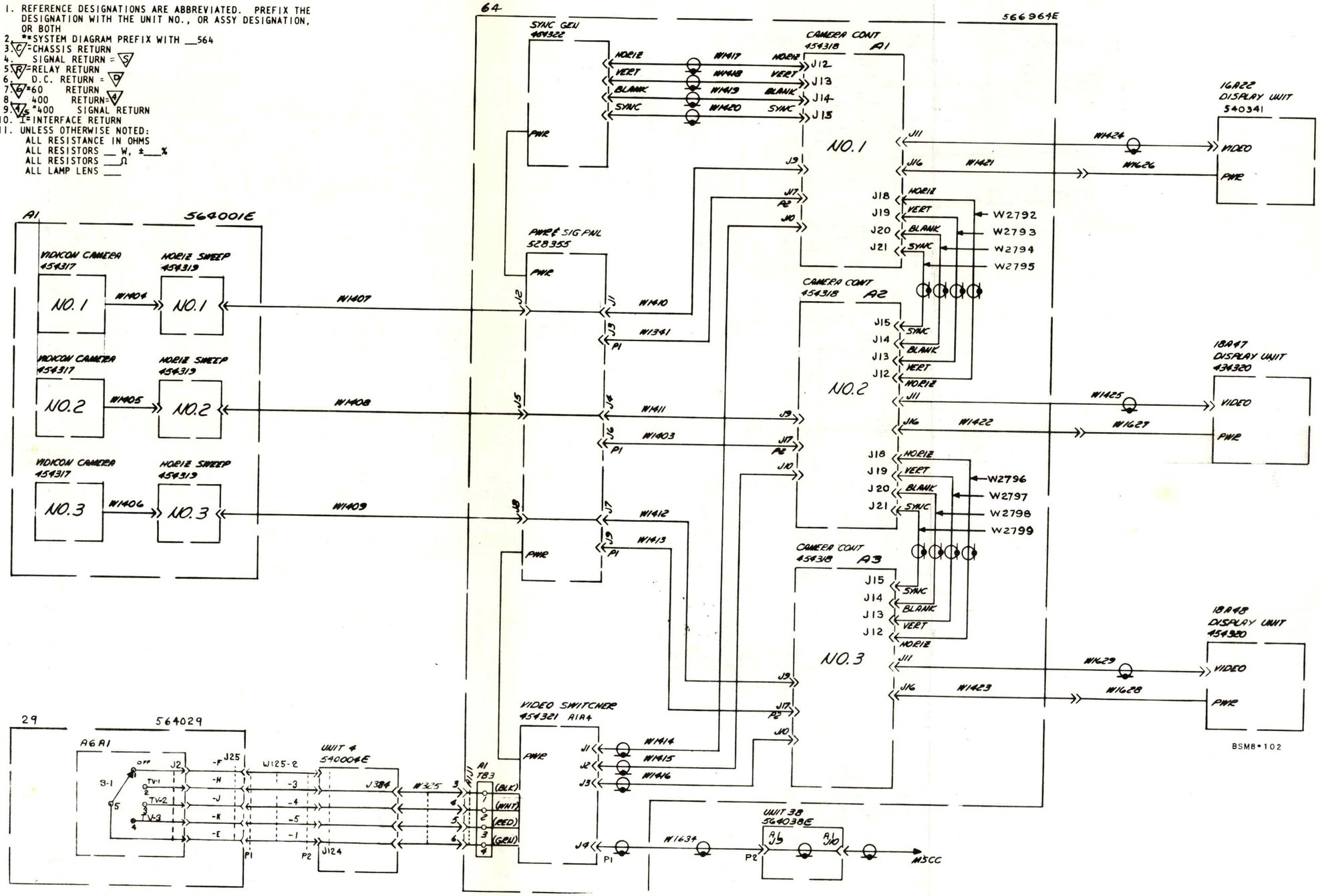
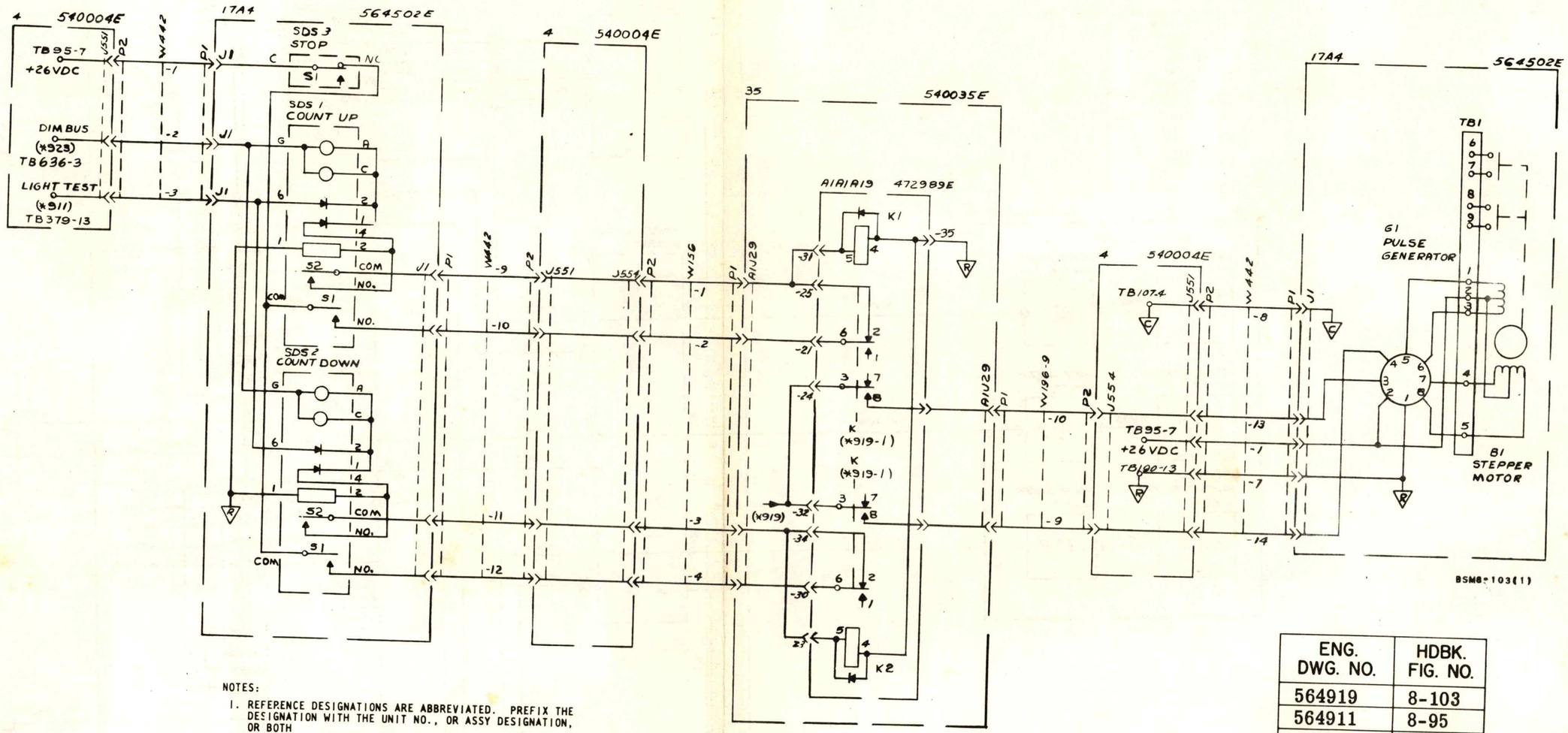


Figure 8-102. CCTV Interface



NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. *=SYSTEM DIAGRAM PREFIX WITH B564
3. ▽=CHASSIS RETURN
4. SIGNAL RETURN=▽
5. ▽=RELAY RETURN
6. D.C. RETURN=▽
7. ▽=60 RETURN
8. 400 RETURN=▽
9. ▽S=400 SIGNAL RETURN
10. INTERFACE RETURN=▽
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS __ W, ±___%
    ALL RESISTORS ___Ω
    ALL LAMP LENS ___

ENG. DWG. NO.	HDBK. FIG. NO.
564919	8-103
564911	8-95
564923	8-107

Figure 8-103. Performance Timers (Sheet 1 of 3)

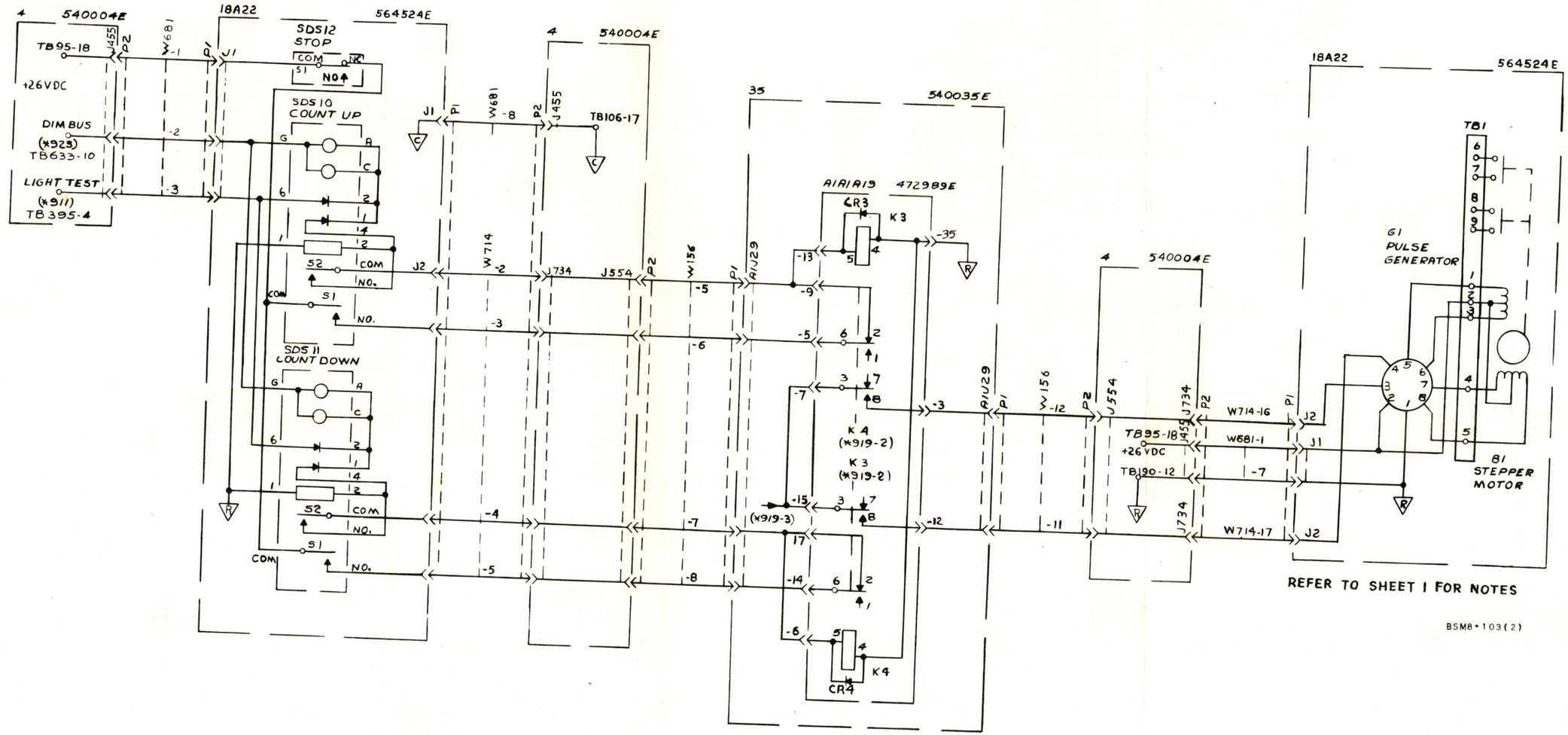


Figure 8-103. Performance Timers (Sheet 2 of 3)

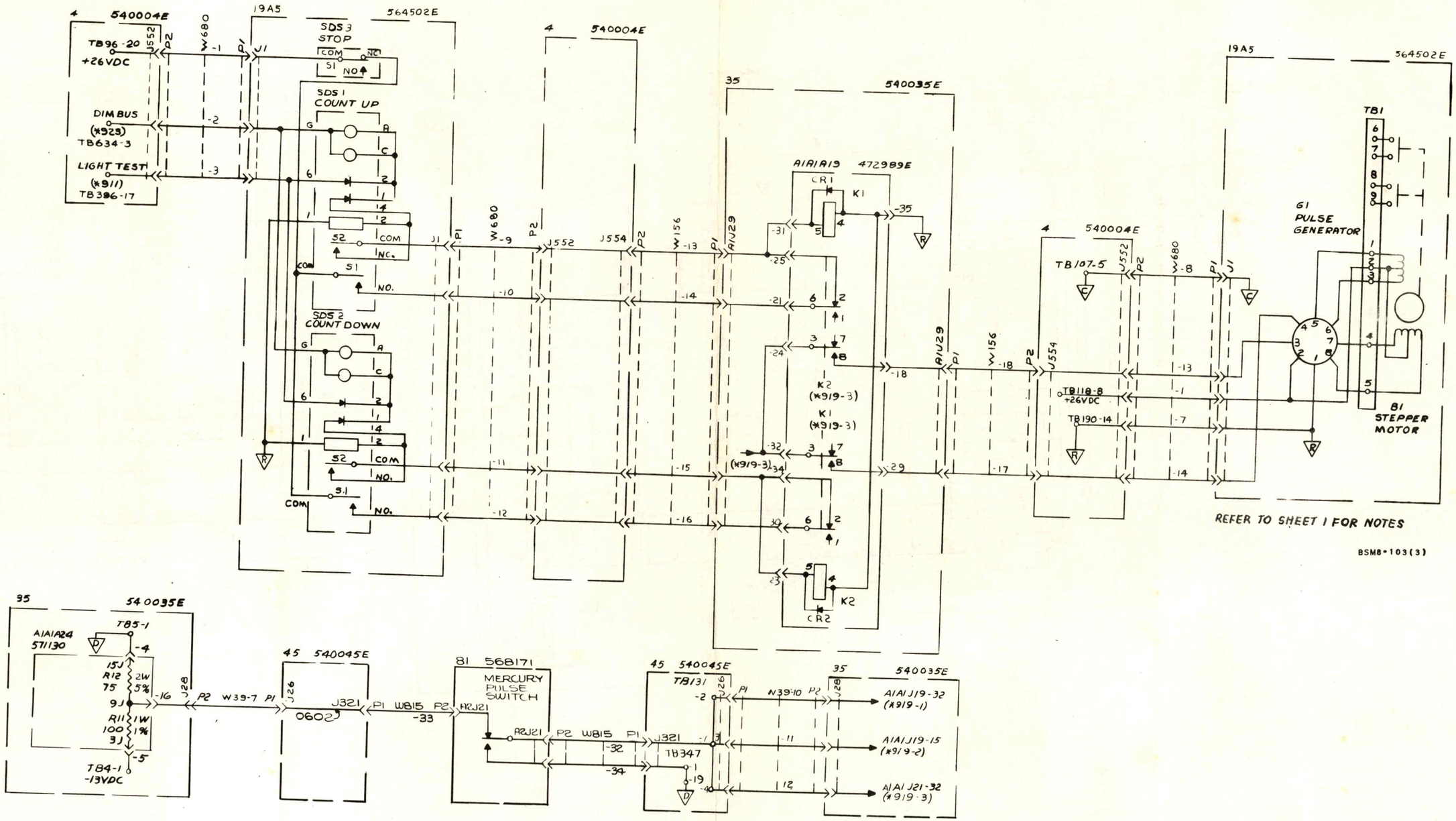
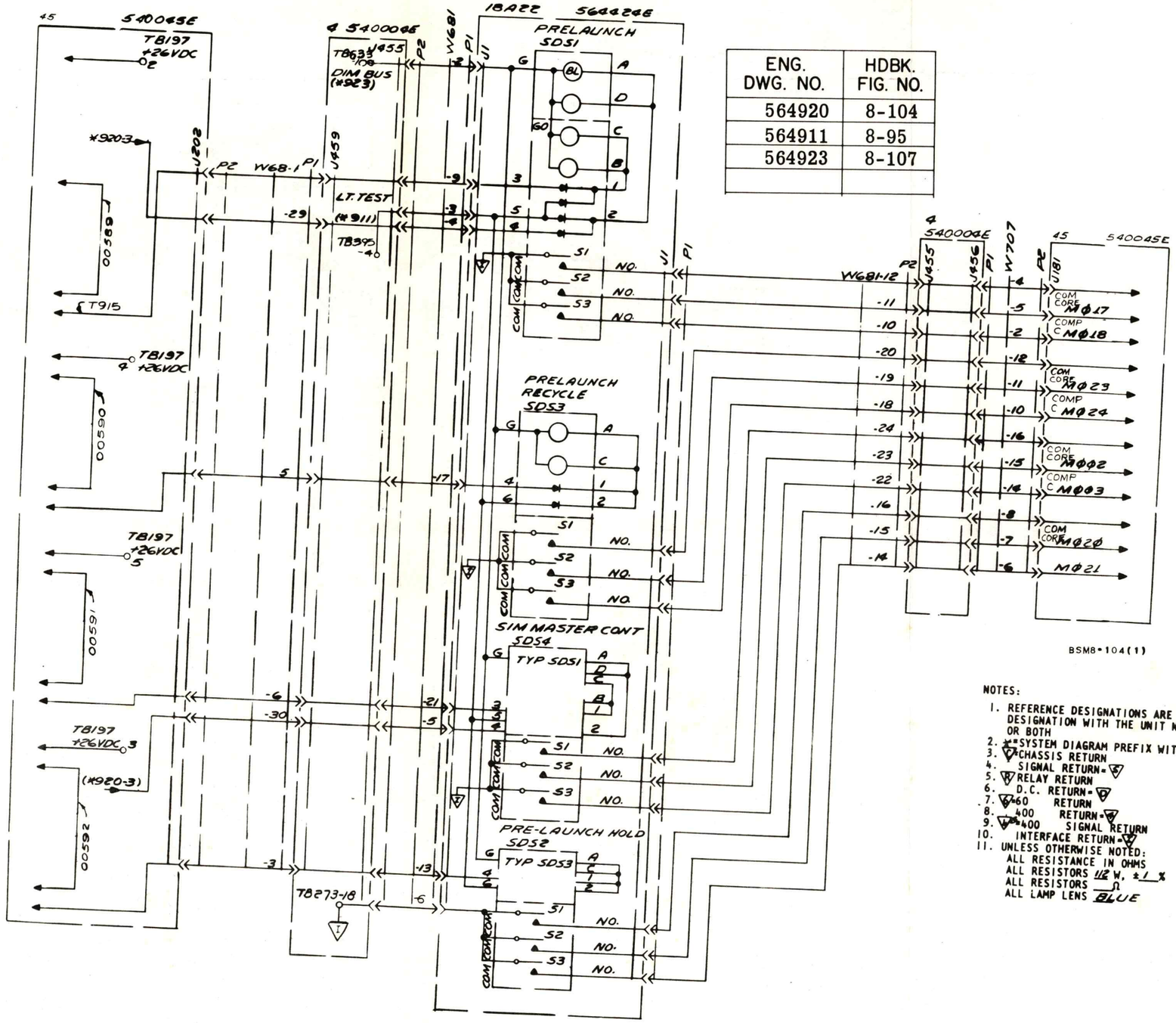


Figure 8-103. Performance Timers (Sheet 3 of 3)



ENG. DWG. NO.	HDBK. FIG. NO.
564920	8-104
564911	8-95
564923	8-107

NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. **SYSTEM DIAGRAM PREFIX WITH B 564
3. CHASSIS RETURN
4. SIGNAL RETURN = ▽
5. RELAY RETURN
6. D.C. RETURN = ▽
7. 460 RETURN
8. 400 RETURN = ▽
9. 400 SIGNAL RETURN
10. INTERFACE RETURN = ▽
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS 1/2 W, ±1 %
    ALL RESISTORS ___Ω
    ALL LAMP LENS BLUE

Figure 8-104. Simulator Controls (Sheet 1 of 3)

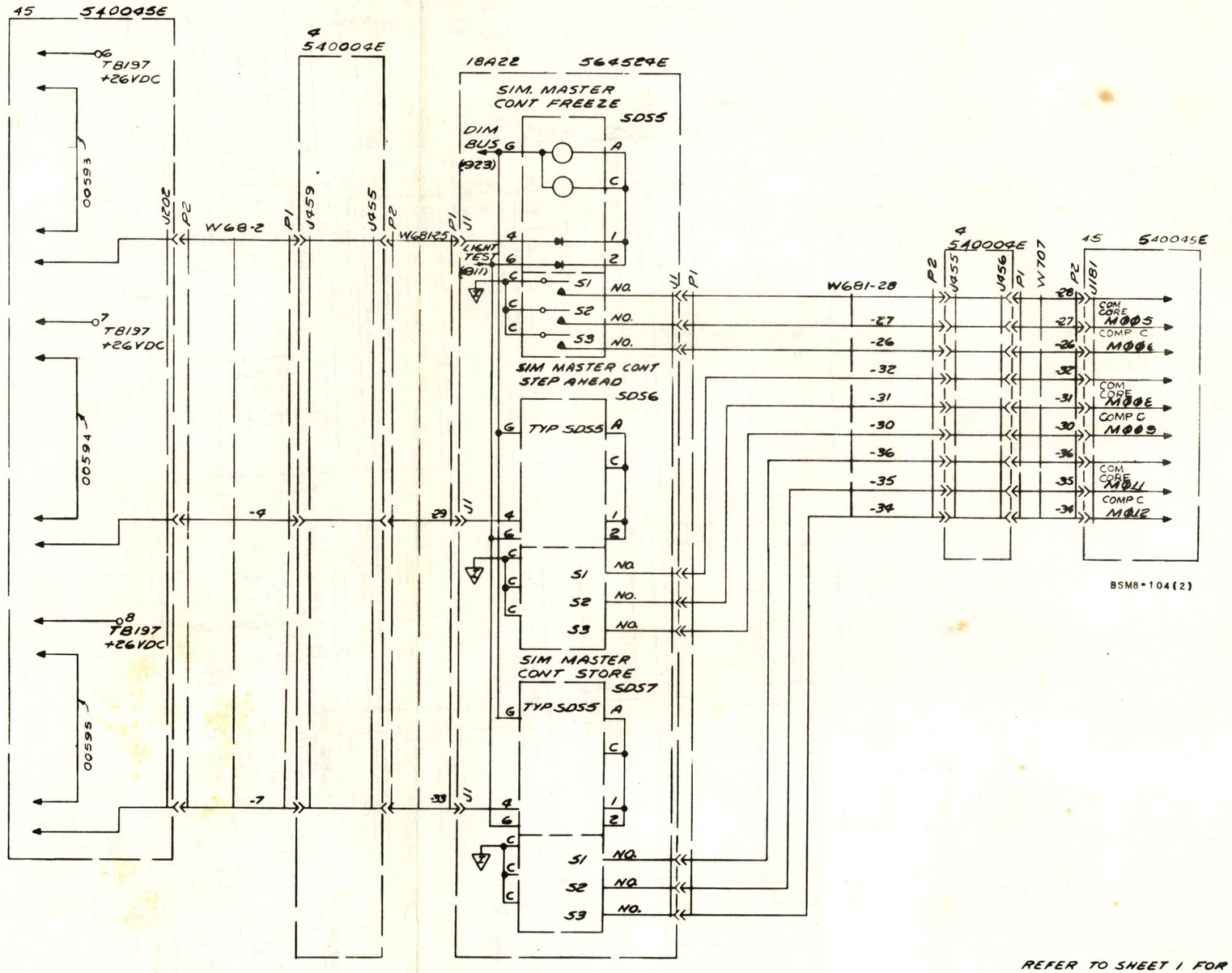
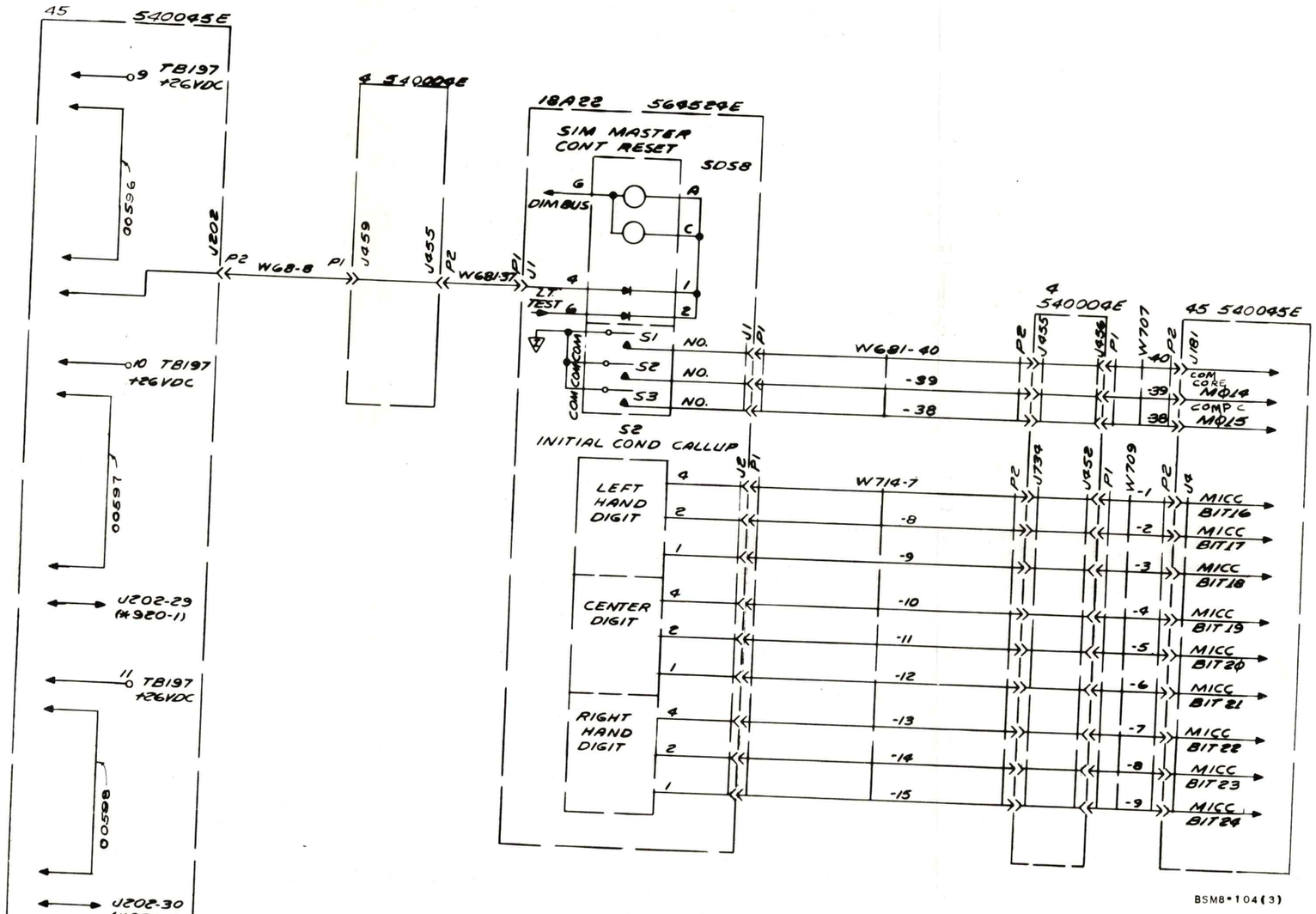
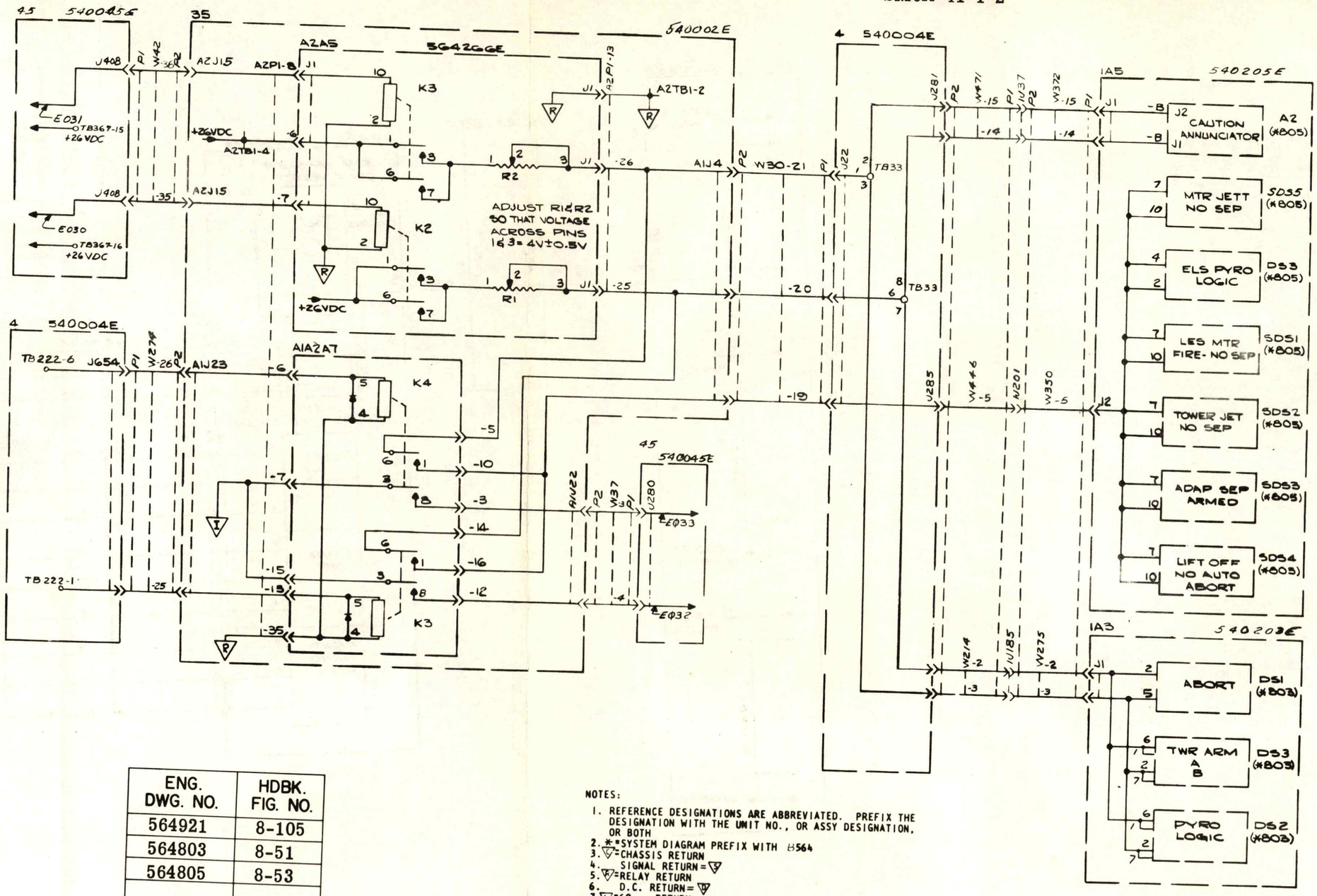


Figure 8-104. Simulator Controls (Sheet 2 of 3)



REFER TO SHEET 1 FOR NOTES

Figure 8-104. Simulator Controls (Sheet 3 of 3)

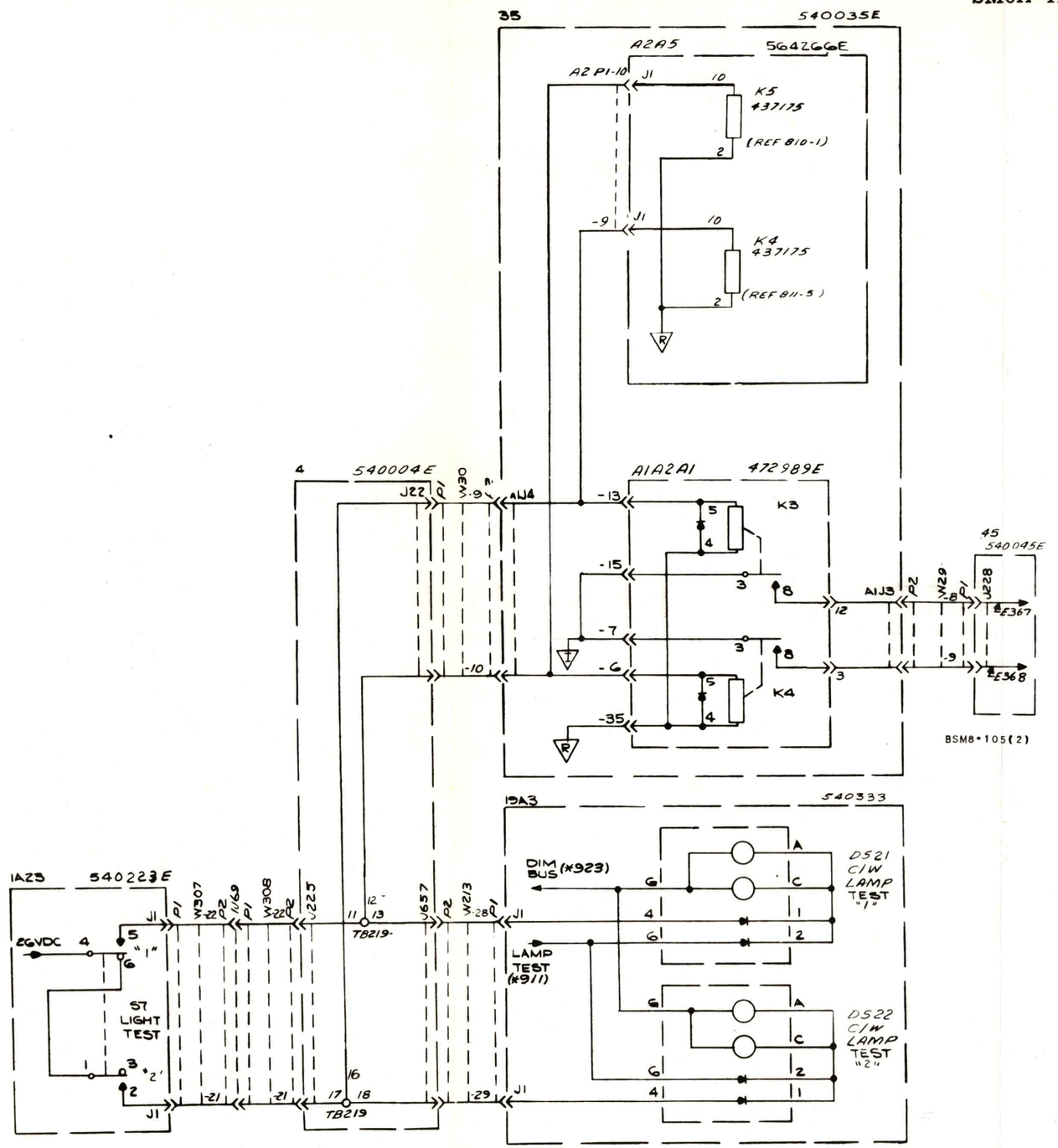


ENG. DWG. NO.	HDBK. FIG. NO.
564921	8-105
564803	8-51
564805	8-53

NOTES:

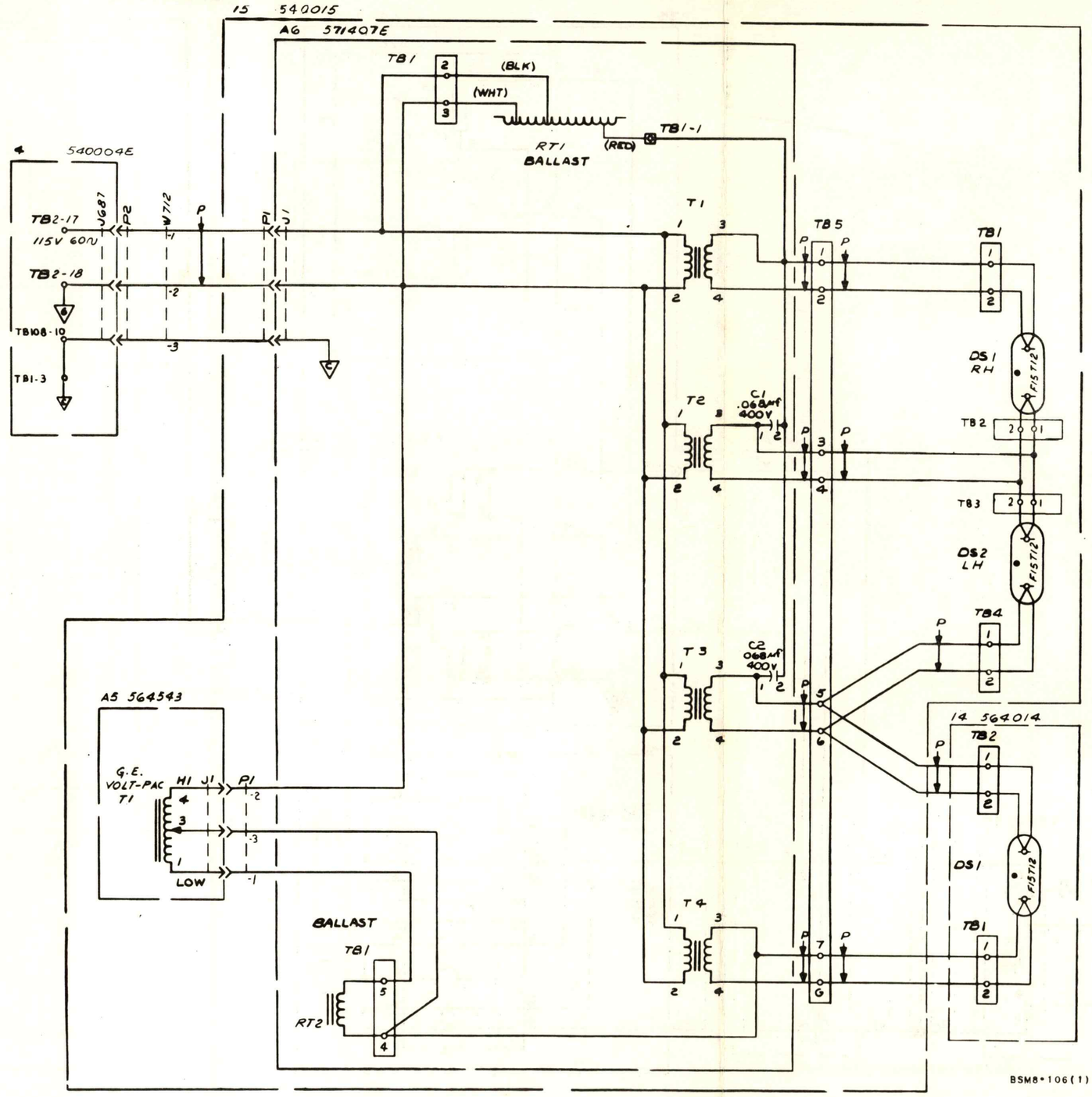
1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. *=SYSTEM DIAGRAM PREFIX WITH B564
3. ▽=CHASSIS RETURN
4. SIGNAL RETURN = ▽S
5. ▽R=RELAY RETURN
6. D.C. RETURN = ▽D
7. ▽60 RETURN
8. ▽400 RETURN = ▽D
9. ▽S400 SIGNAL RETURN
10. INTERFACE RETURN = ▽I
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS ½ W, ±1 %
    ALL RESISTORS ___Ω
    ALL LAMP LENS WHT

Figure 8-105. Light Test C/M (Sheet 1 of 2)



REFER TO SHEET 1 FOR NOTES

Figure 8-105. Light Test C/M (Sheet 2 of 2)



ENG. DWG. NO.	HDBK. FIG. NO.
564922	8-106

NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. *=SYSTEM DIAGRAM PREFIX WITH 564
3. ▽=CHASSIS RETURN
4. ▽ SIGNAL RETURN=▽
5. ▽=RELAY RETURN
6. D.C. RETURN = ▽
7. ▽=60 ~ RETURN
8. 400 ~ RETURN=▽
9. ▽S=400 ~ SIGNAL RETURN
10. ▽ INTERFACE RETURN = ▽
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS 1/2 W, ± 1 %
    ALL RESISTORS ___Ω
    ALL LAMP LENS WHT

Figure 8-106. AC Dimming (Flood Lights) (Sheet 1 of 7)

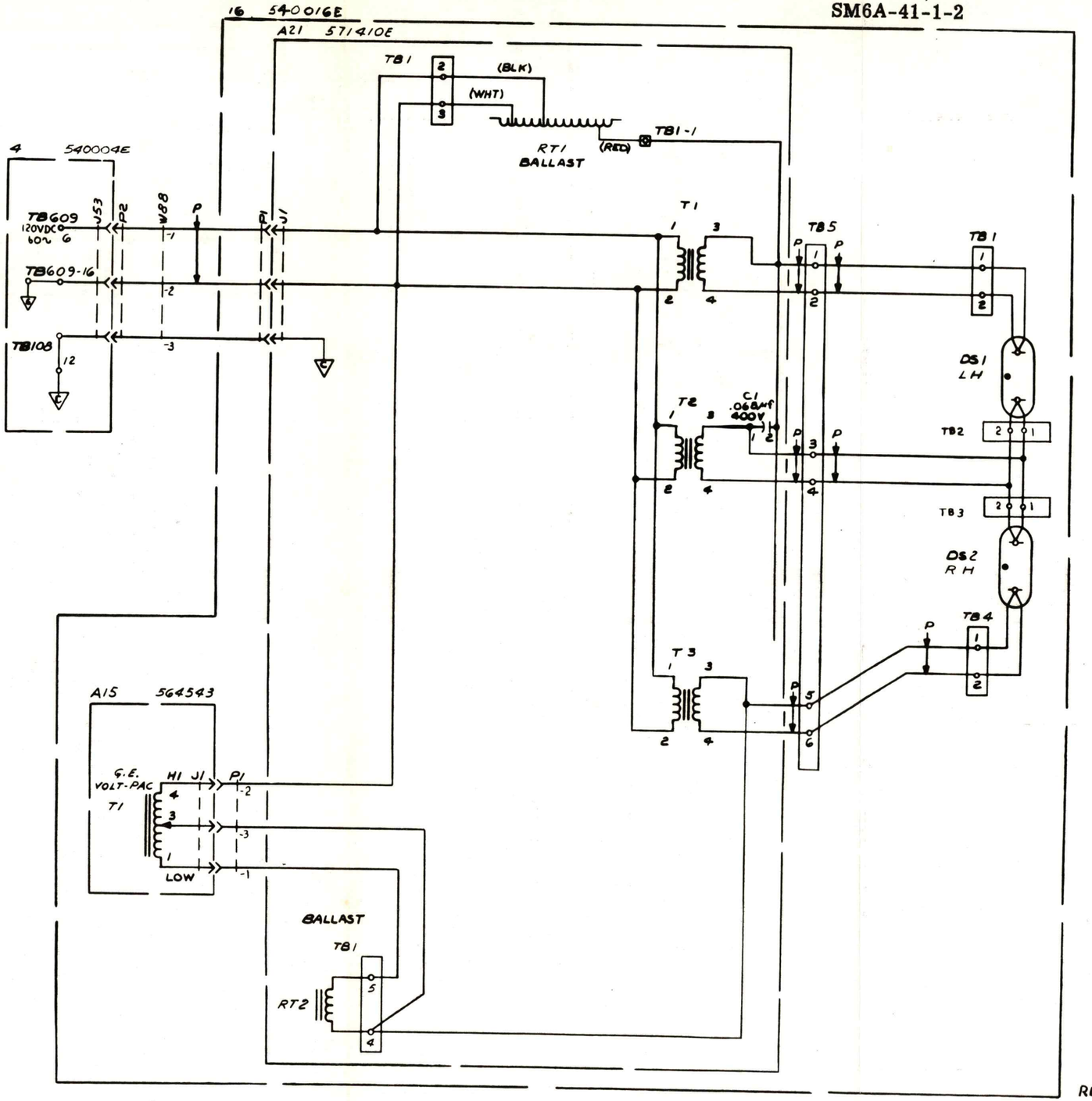


Figure 8-106. AC Dimming (Flood Lights) (Sheet 2 of 7)

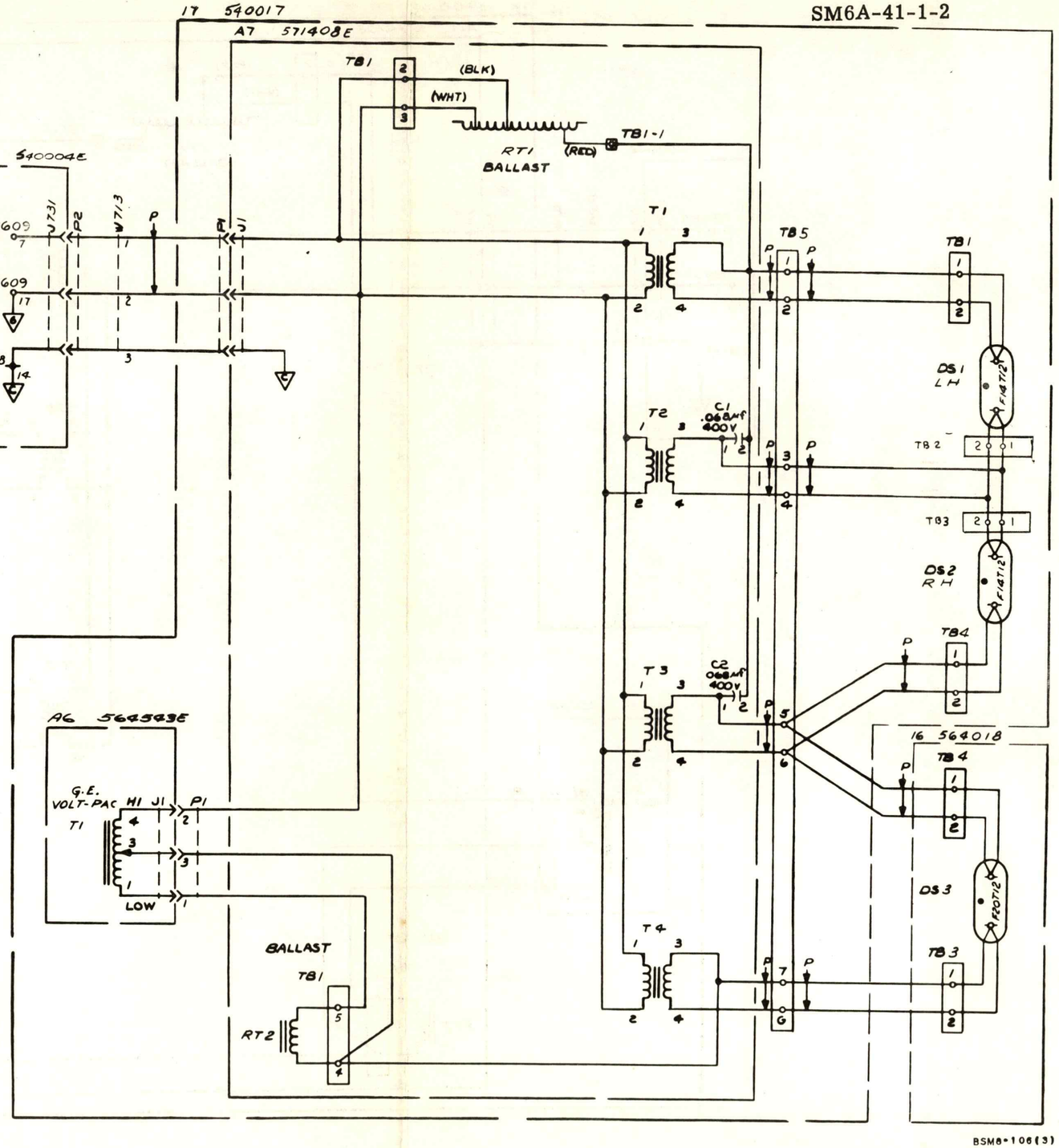


Figure 8-106. AC Dimming (Flood Lights) (Sheet 3 of 7)

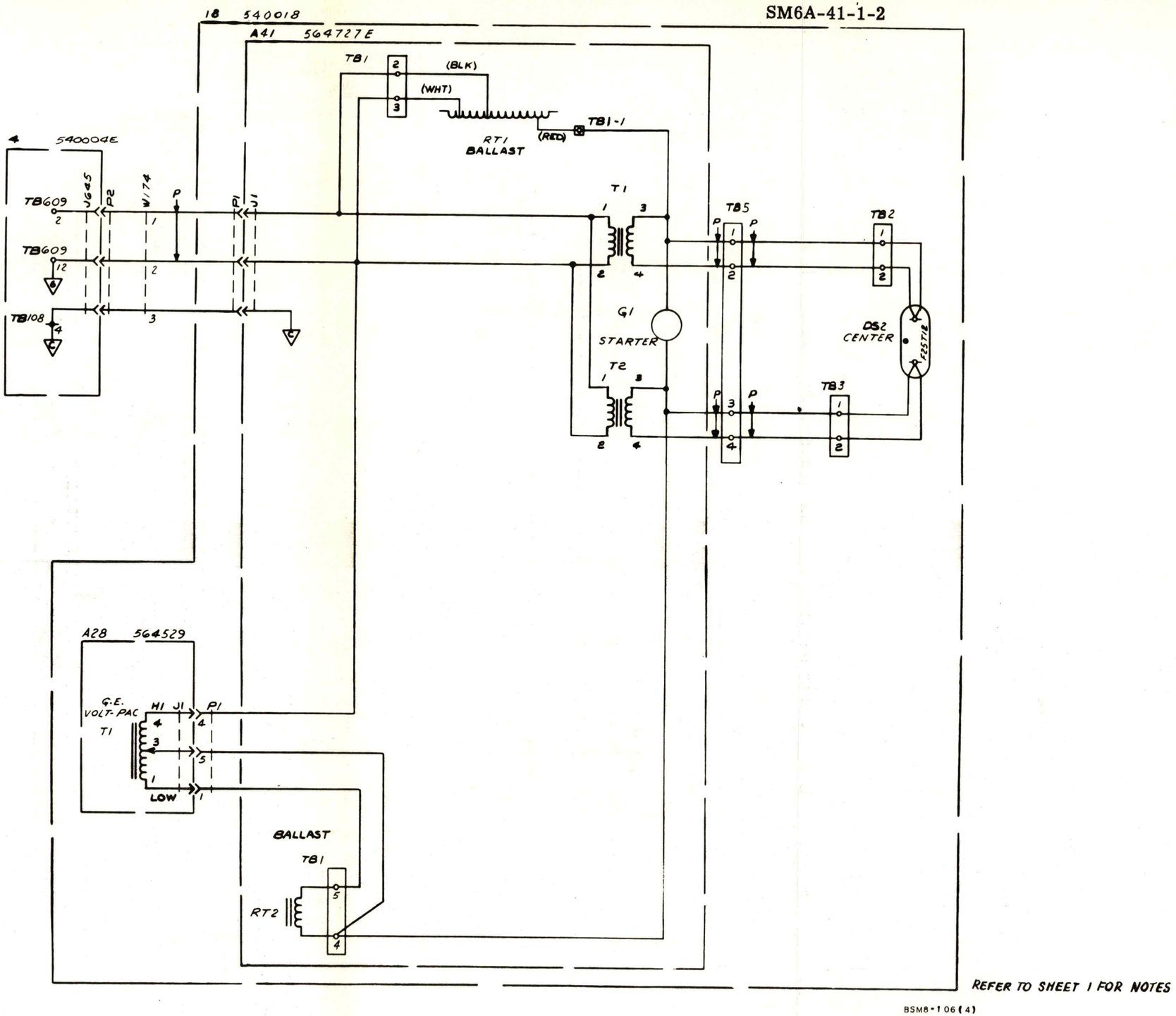


Figure 8-106. AC Dimming (Flood Lights) (Sheet 4 of 7)

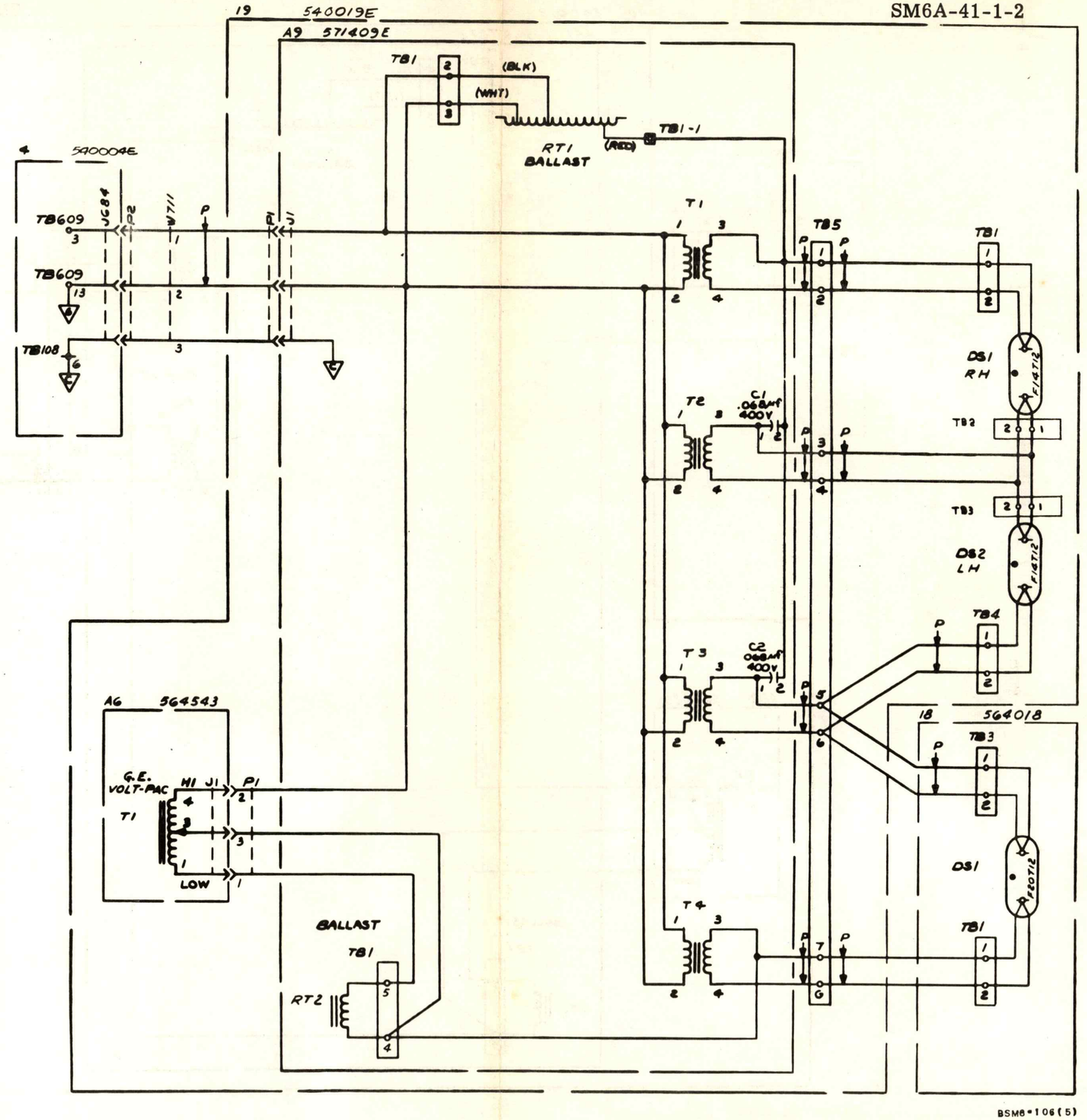


Figure 8-106. AC Dimming (Flood Lights) (Sheet 5 of 7)

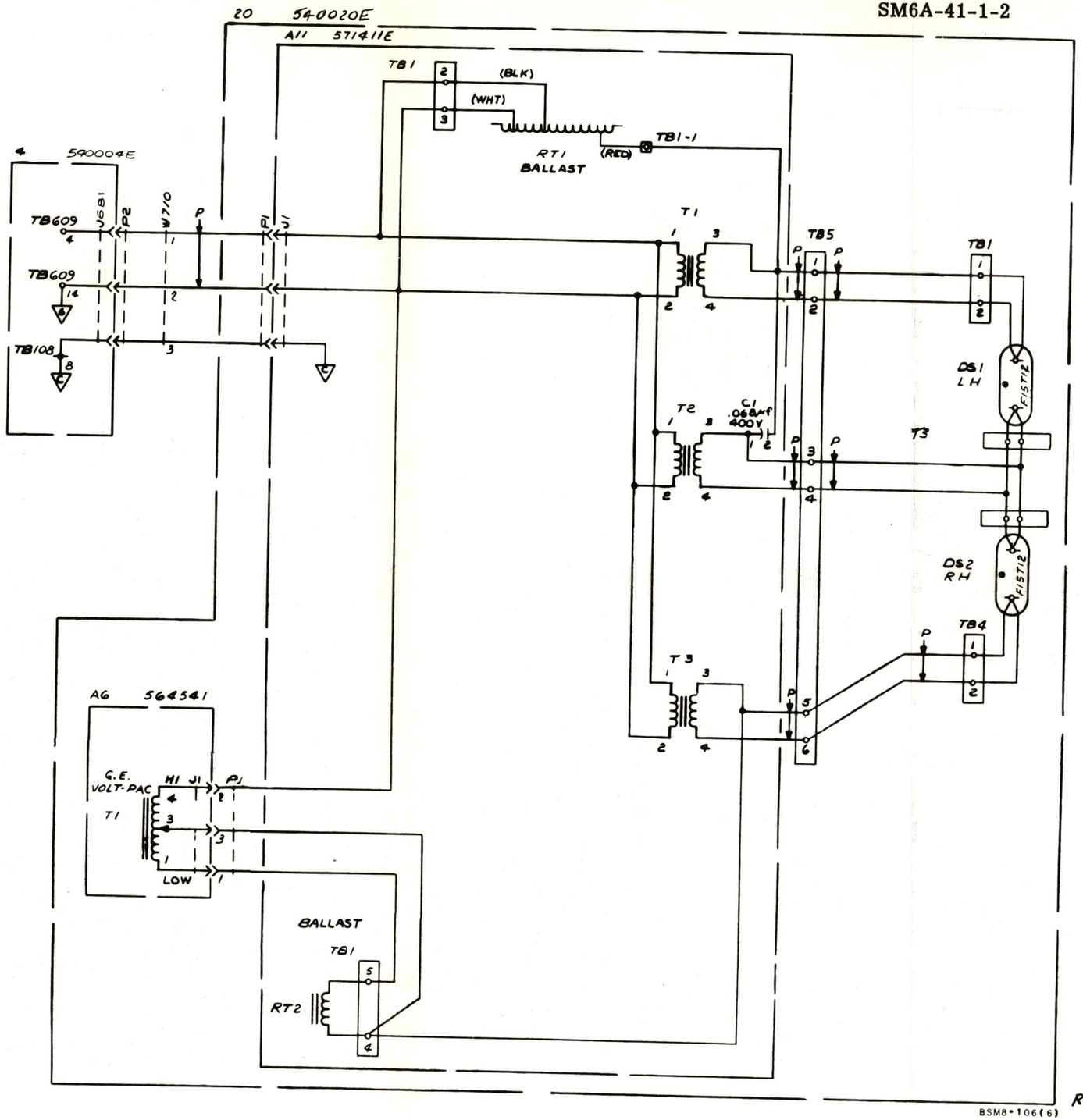


Figure 8-106. AC Dimming (Flood Lights) (Sheet 6 of 7)

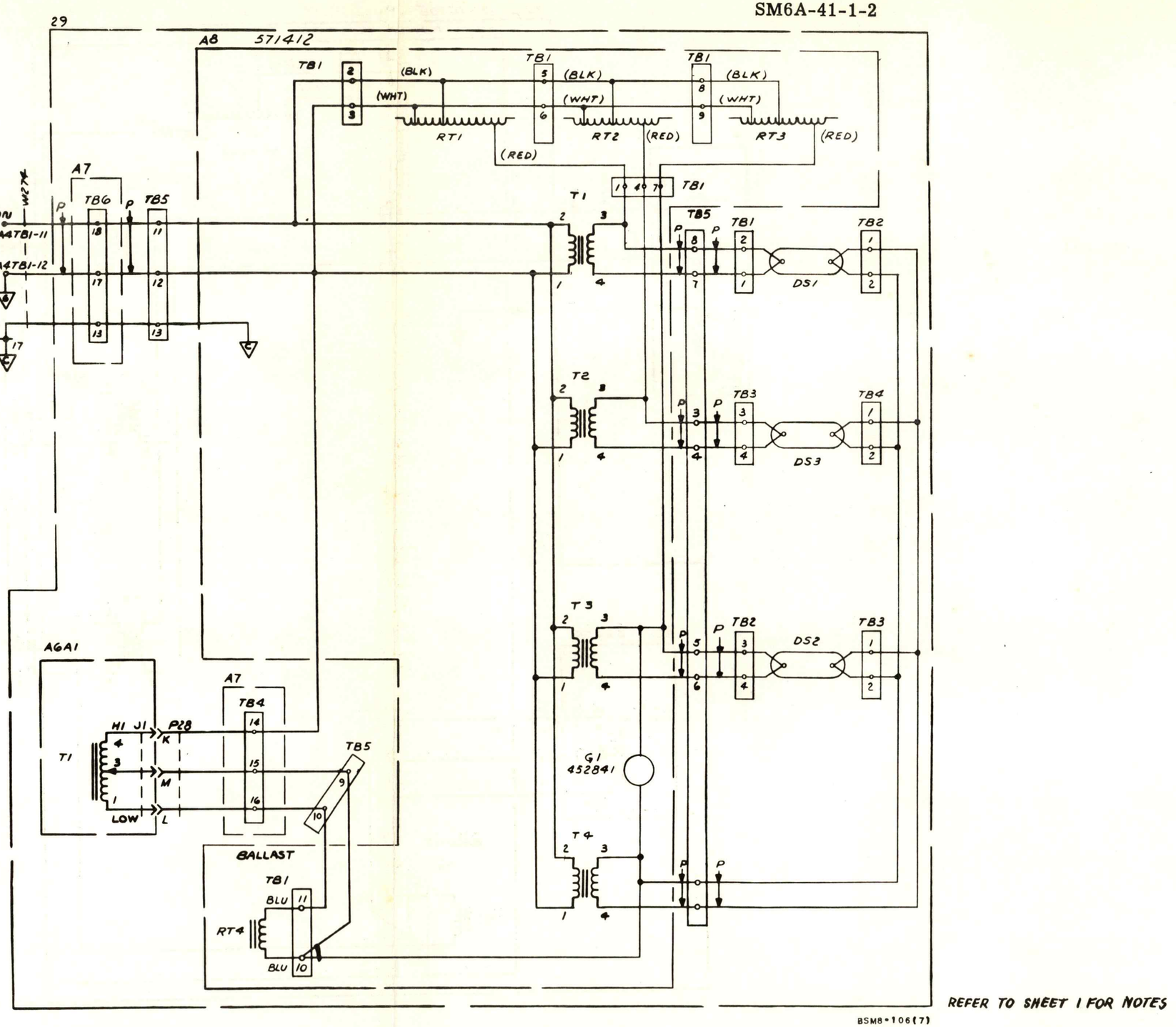
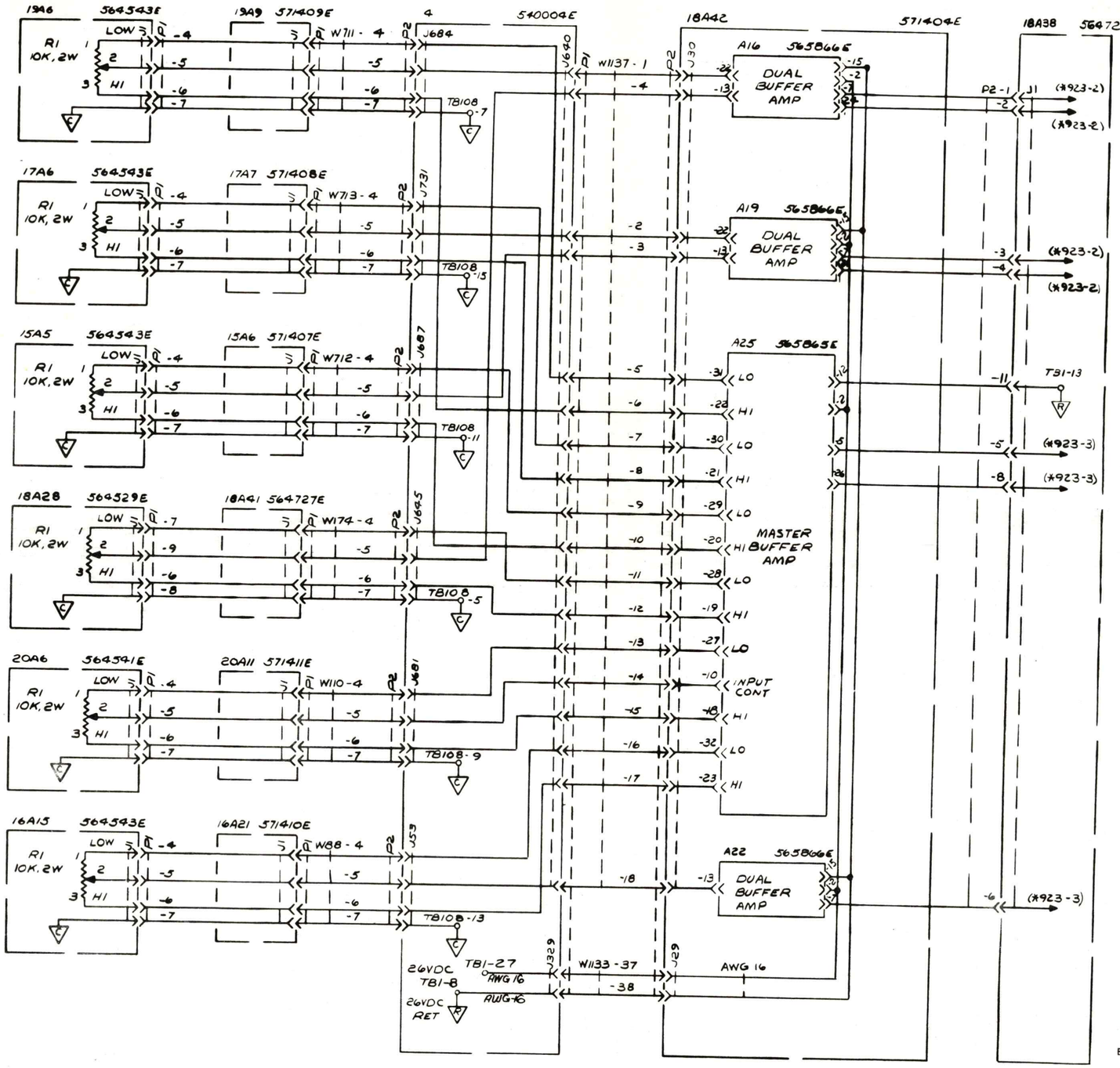


Figure 8-106. AC Dimming (Flood Lights) (Sheet 7 of 7)



ENG. DWG. NO.	HDBK. FIG. NO.
564923	8-107
564952	8-133

NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. *=SYSTEM DIAGRAM PREFIX WITH B 564
3. =CHASSIS RETURN
4. SIGNAL RETURN =
5. =RELAY RETURN
6. D.C. RETURN =
7. 60 ~ RETURN
8. 400 ~ RETURN =
9. S*400 ~ SIGNAL RETURN
10. INTERFACE RETURN =
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS 1/2 W, ± 1 %
    ALL RESISTORS Ω
    ALL LAMP LENS WHT

Figure 8-107. DC Dimming (Indicator Lights) (Sheet 1 of 4)

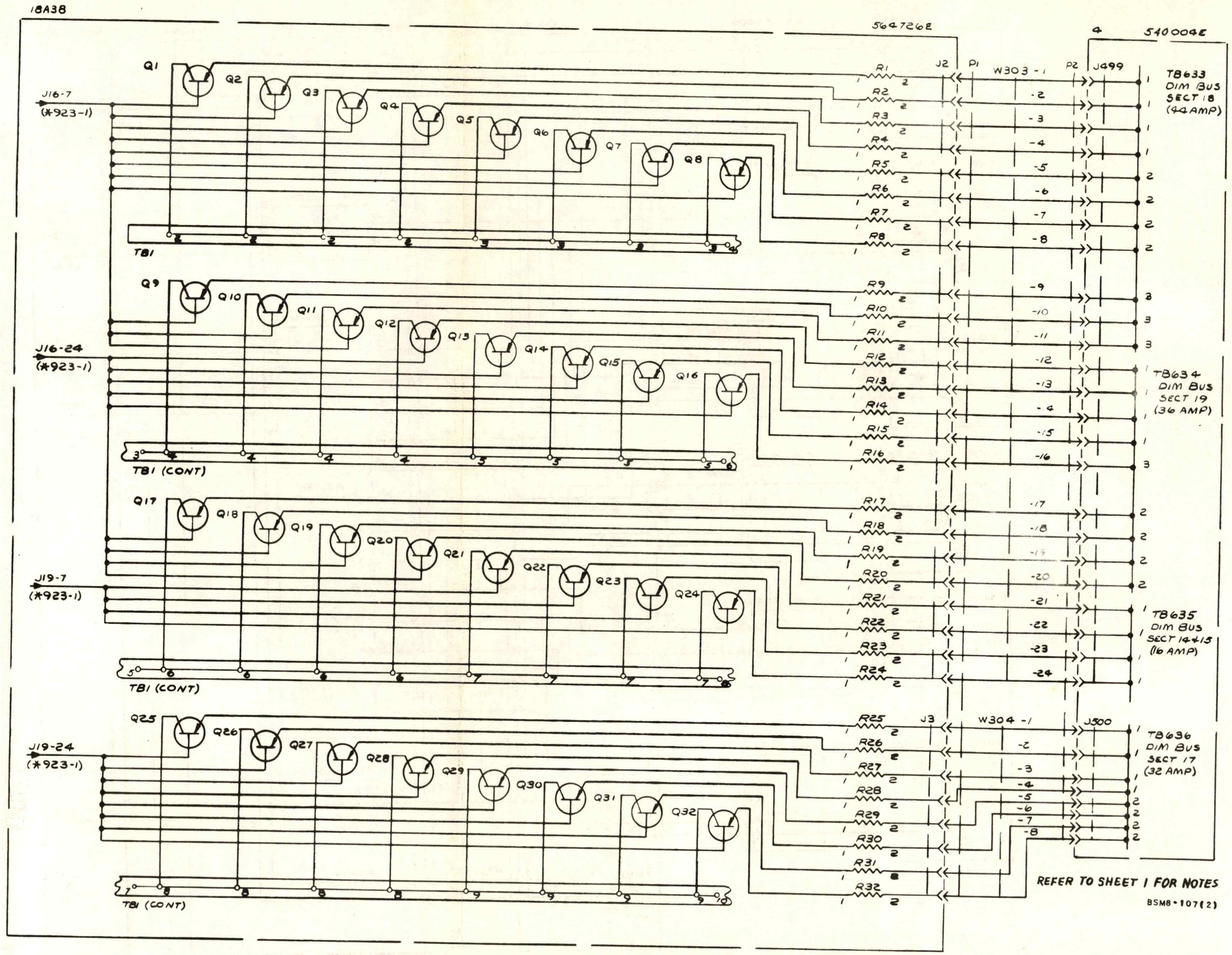


Figure 8-107. DC Dimming (Indicator Lights) (Sheet 2 of 4)

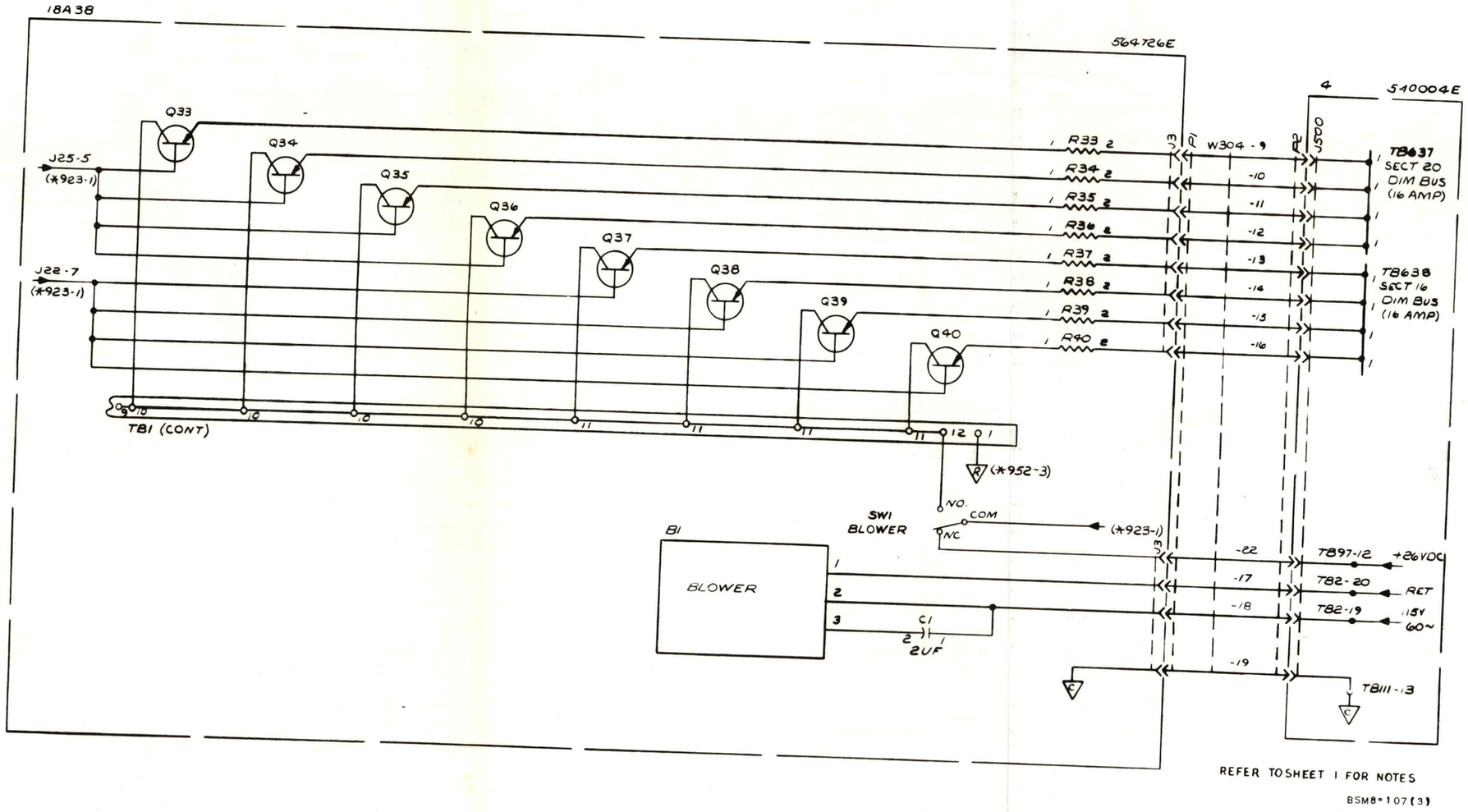
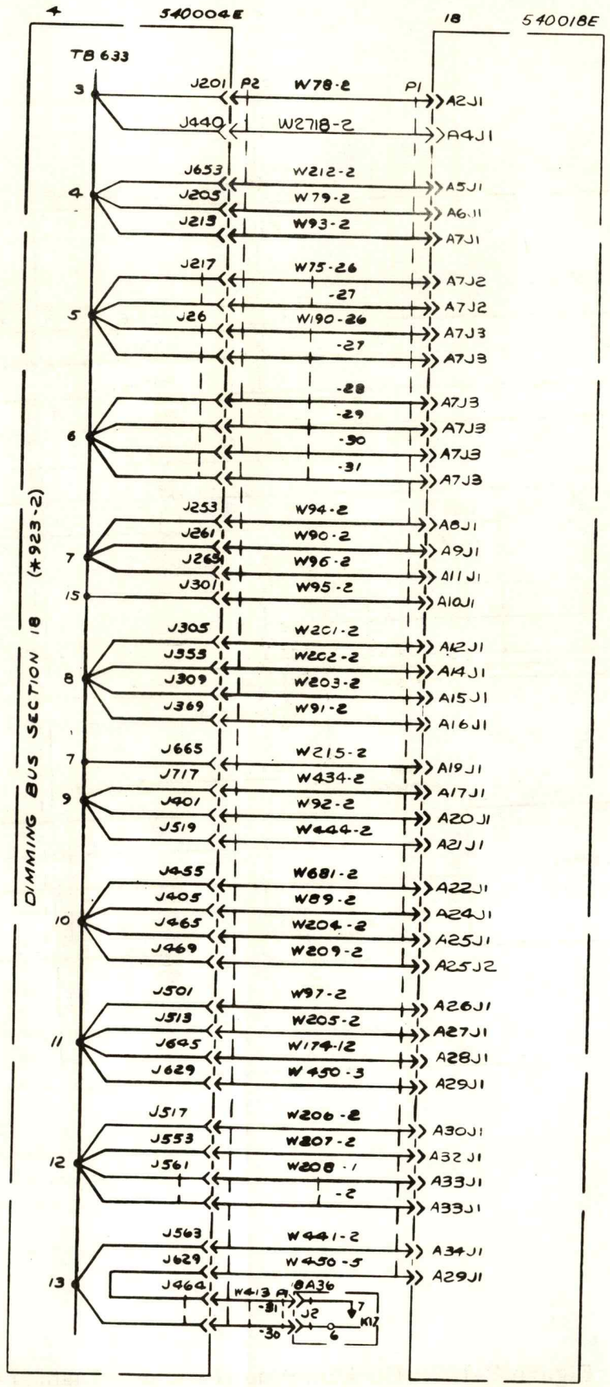
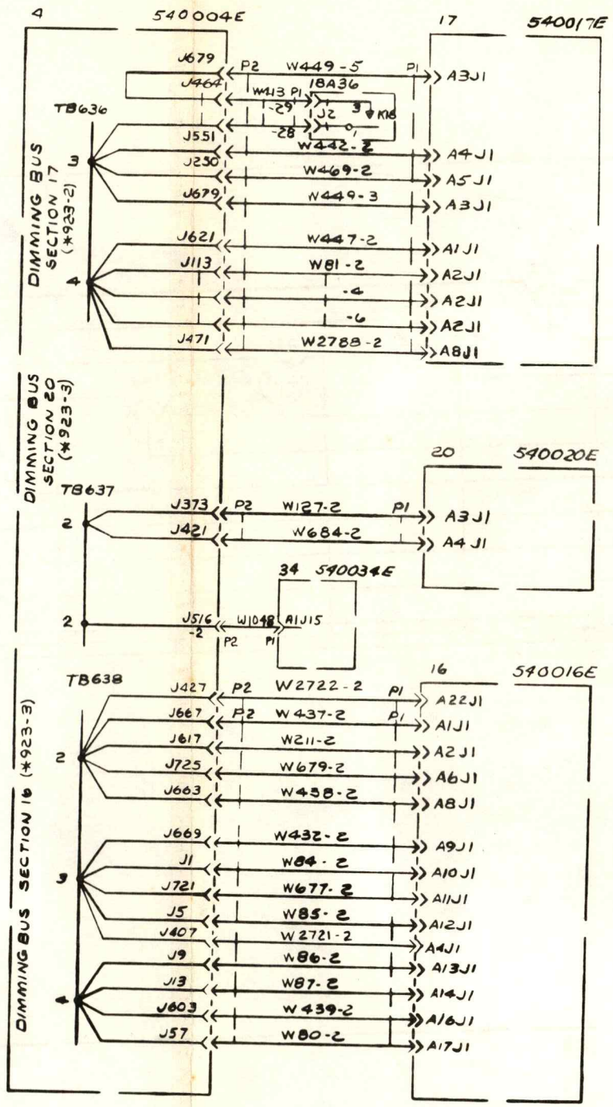
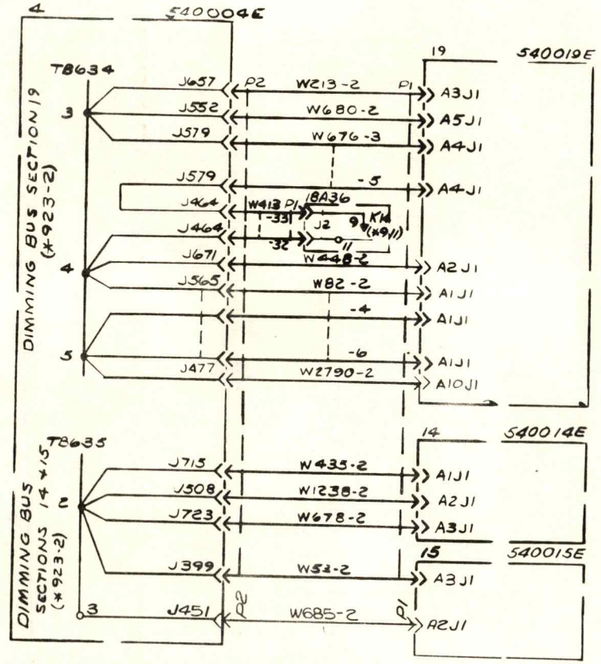


Figure 8-107. DC Dimming (Indicator Lights) (Sheet 3 of 4)



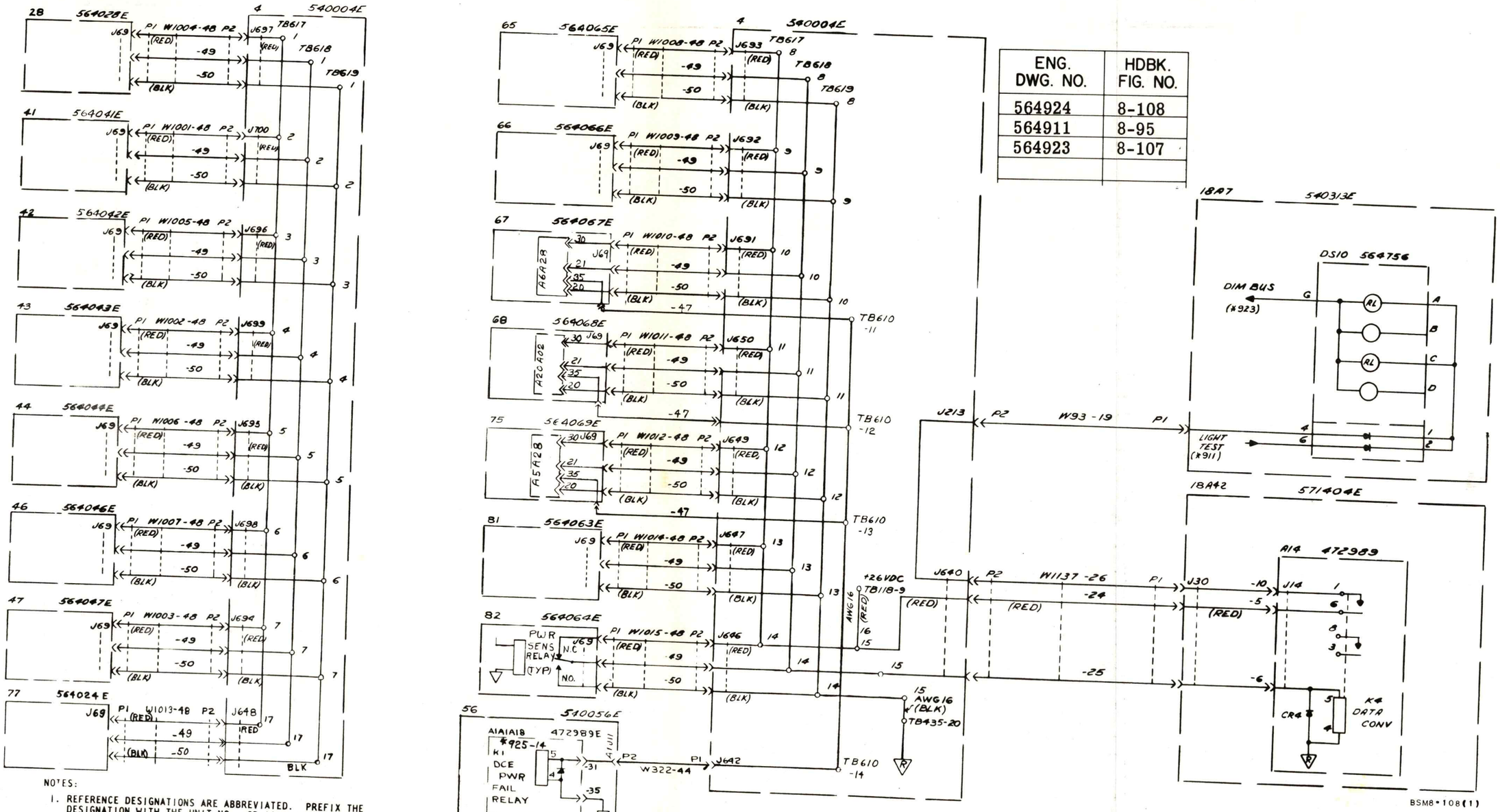




REFER TO SHEET 1 FOR NOTES

BSM8-107(4)

Figure 8-107. DC Dimming (Indicator Lights) (Sheet 4 of 4)



ENG. DWG. NO.	HDBK. FIG. NO.
564924	8-108
564911	8-95
564923	8-107

NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. **SYSTEM DIAGRAM PREFIX WITH 564
3. ▽=CHASSIS RETURN
4. SIGNAL RETURN = ▽
5. ▽=RELAY RETURN

Figure 8-108. DCE Sequencing Relay (Sheet 1 of 2)

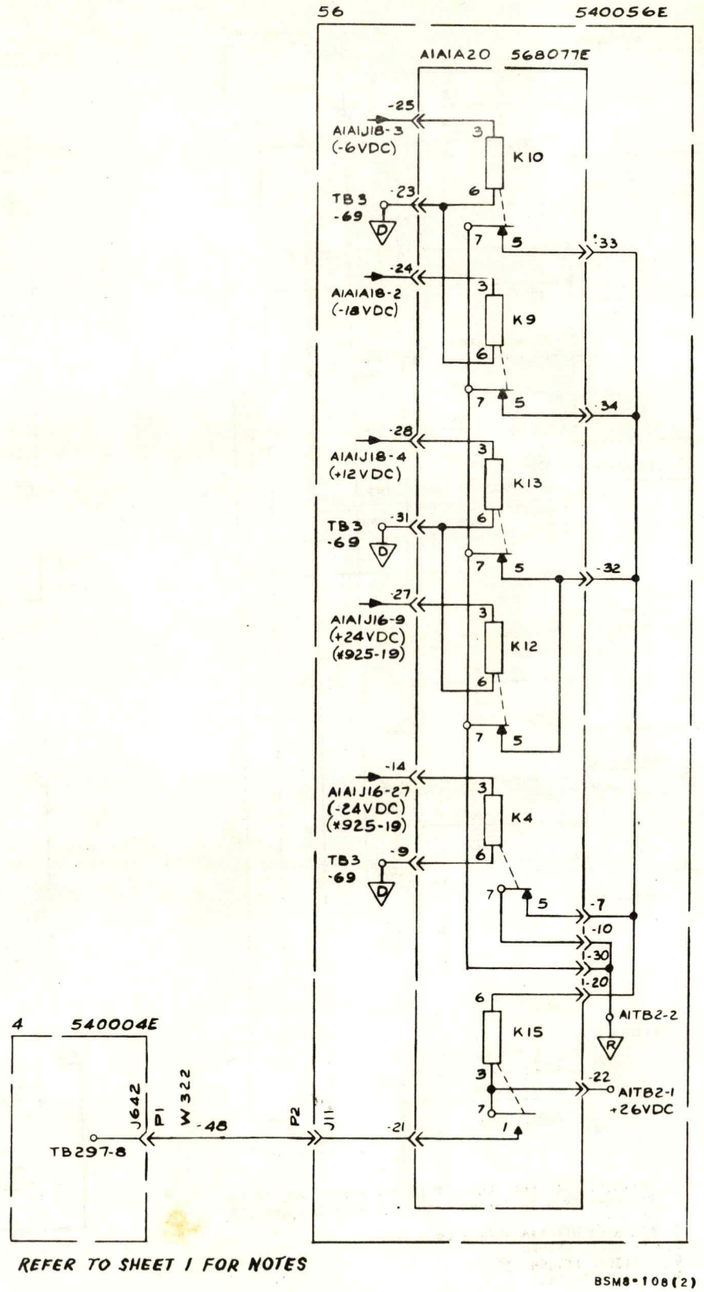
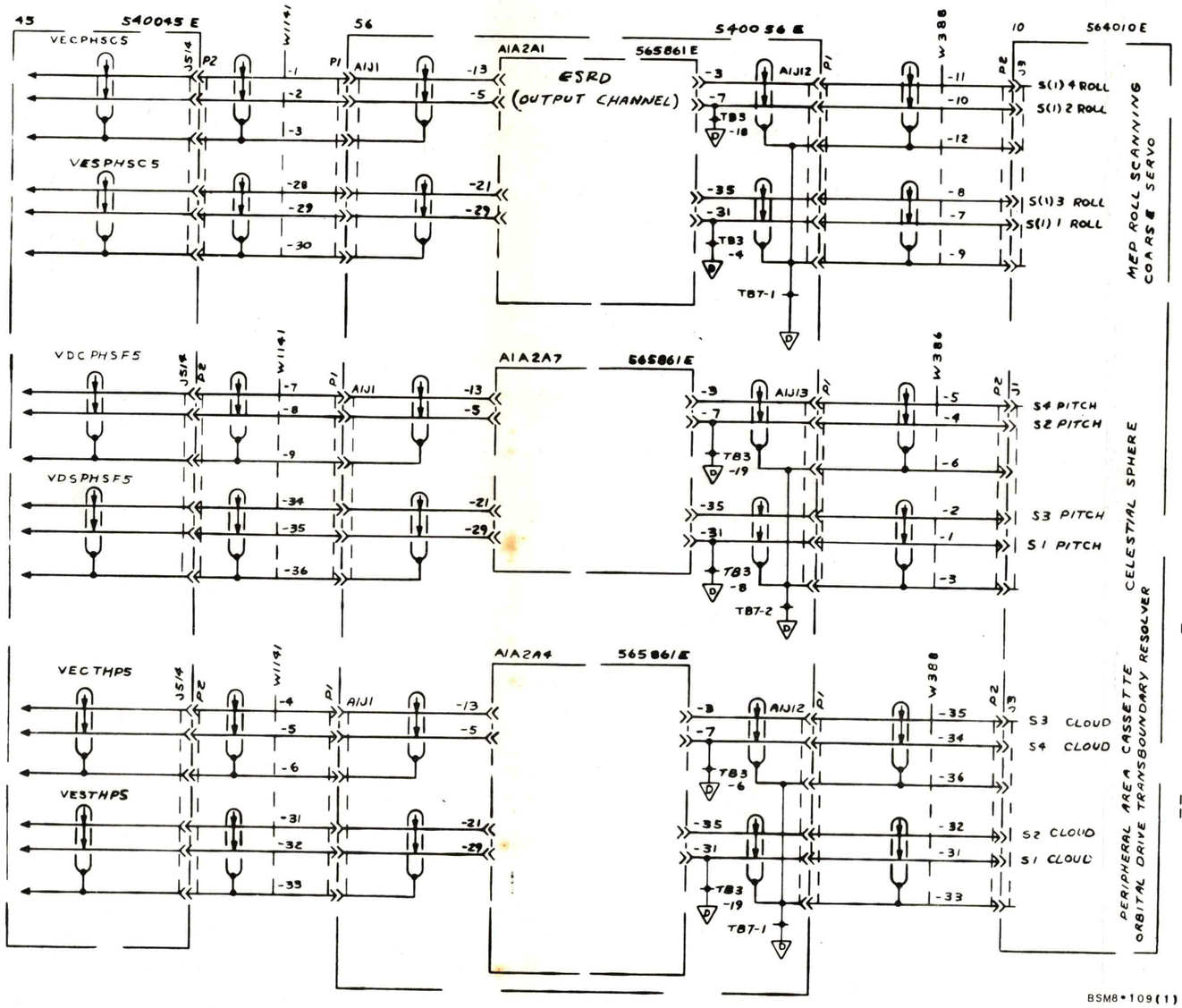


Figure 8-108. DCE Sequencing Relay (Sheet 2 of 2)



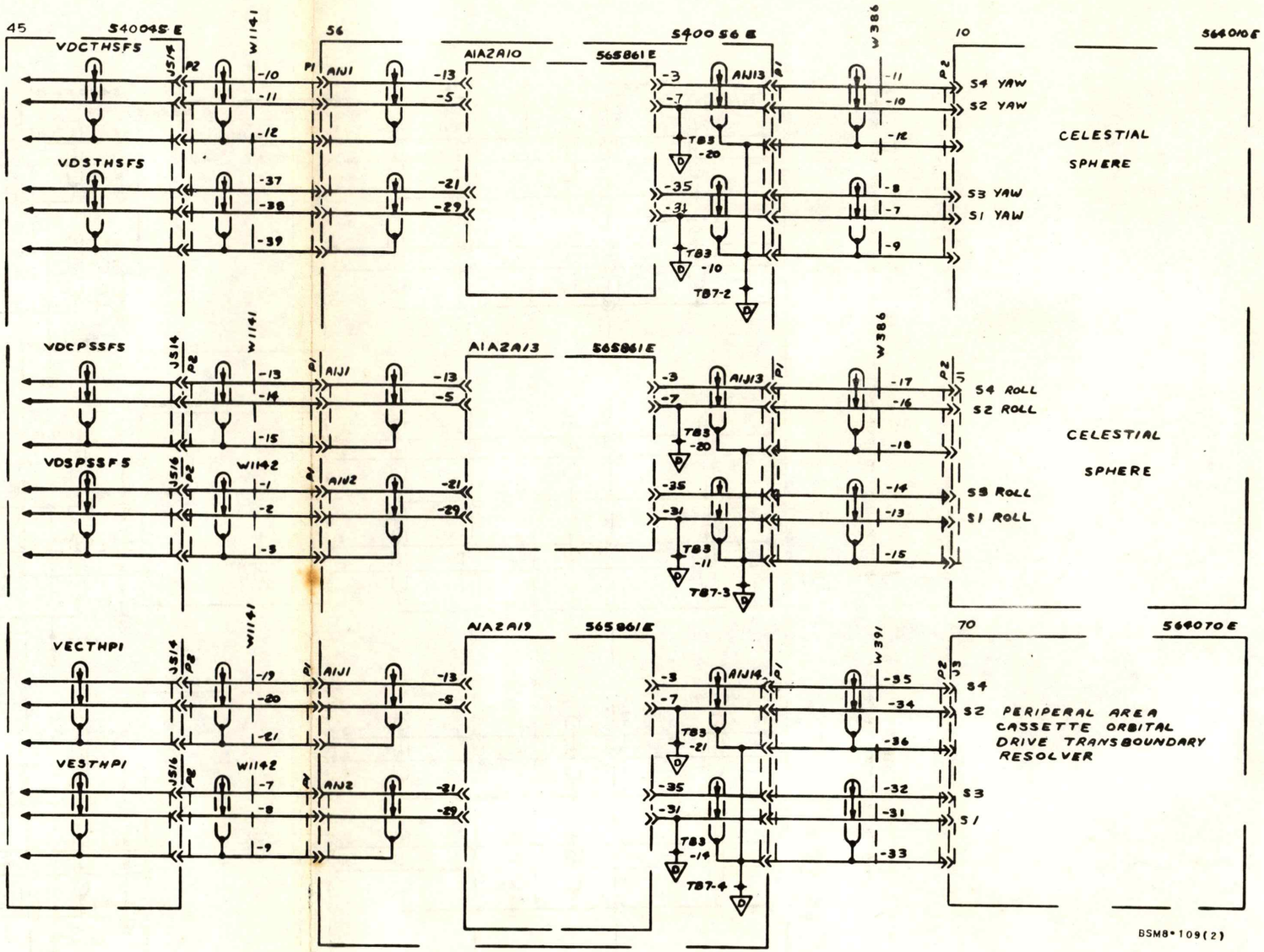
NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. **SYSTEM DIAGRAM PREFIX WITH B 564
3. ▽=CHASSIS RETURN
4. ~ SIGNAL RETURN=▽
5. ▽=RELAY RETURN
6. D.C. RETURN=▽
7. ▽=60 ~ RETURN
8. ▽=400 ~ RETURN=▽
9. ▽S=400 ~ SIGNAL RETURN
10. INTERFACE RETURN=▽
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS 1/2 W, ±10%

BSM8•109(1)

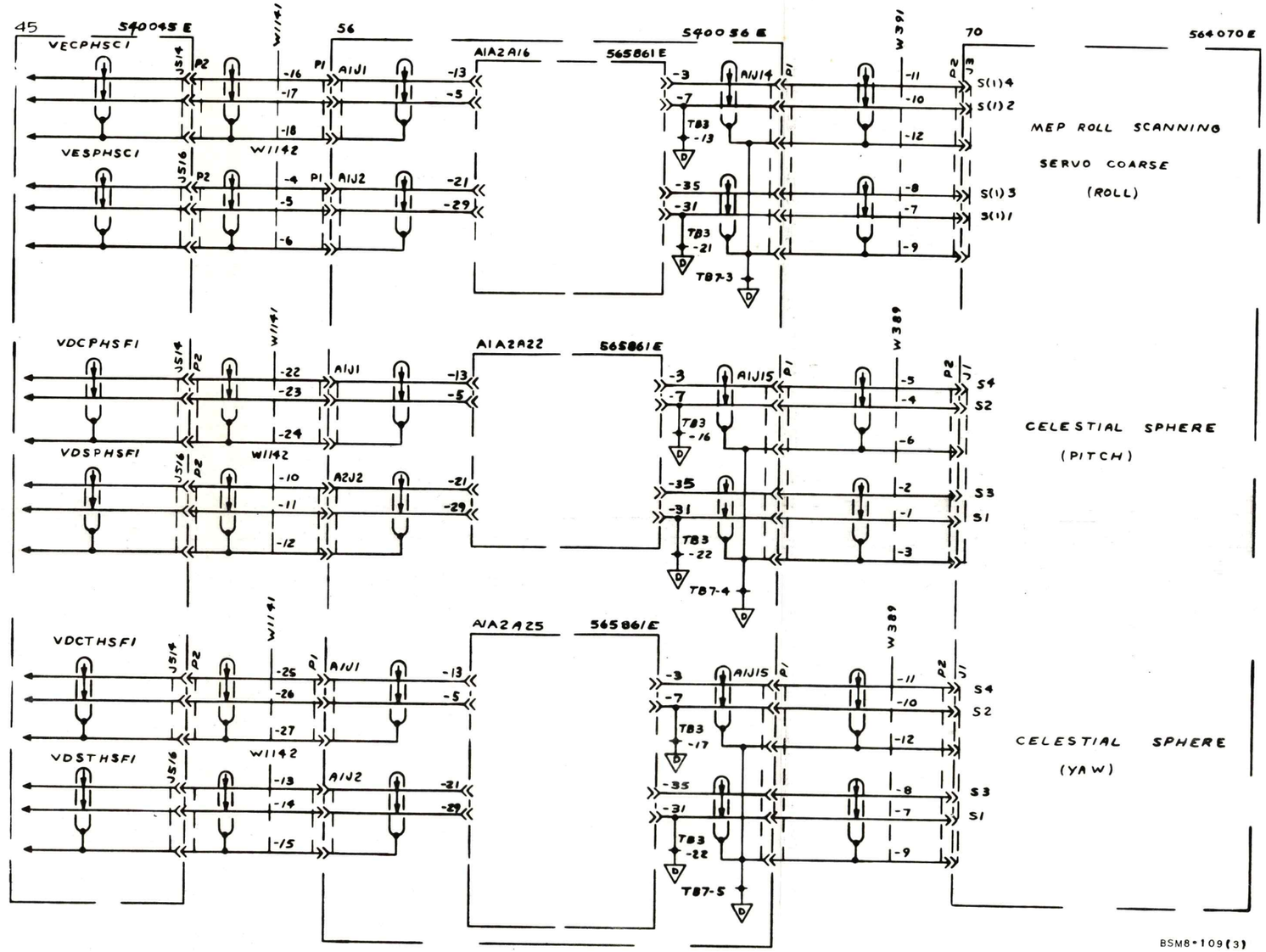
ENG. DWG. NO.	HDBK. FIG. NO.
564925	8-109

Figure 8-109. Synchro Drive (Sheet 1 of 26)



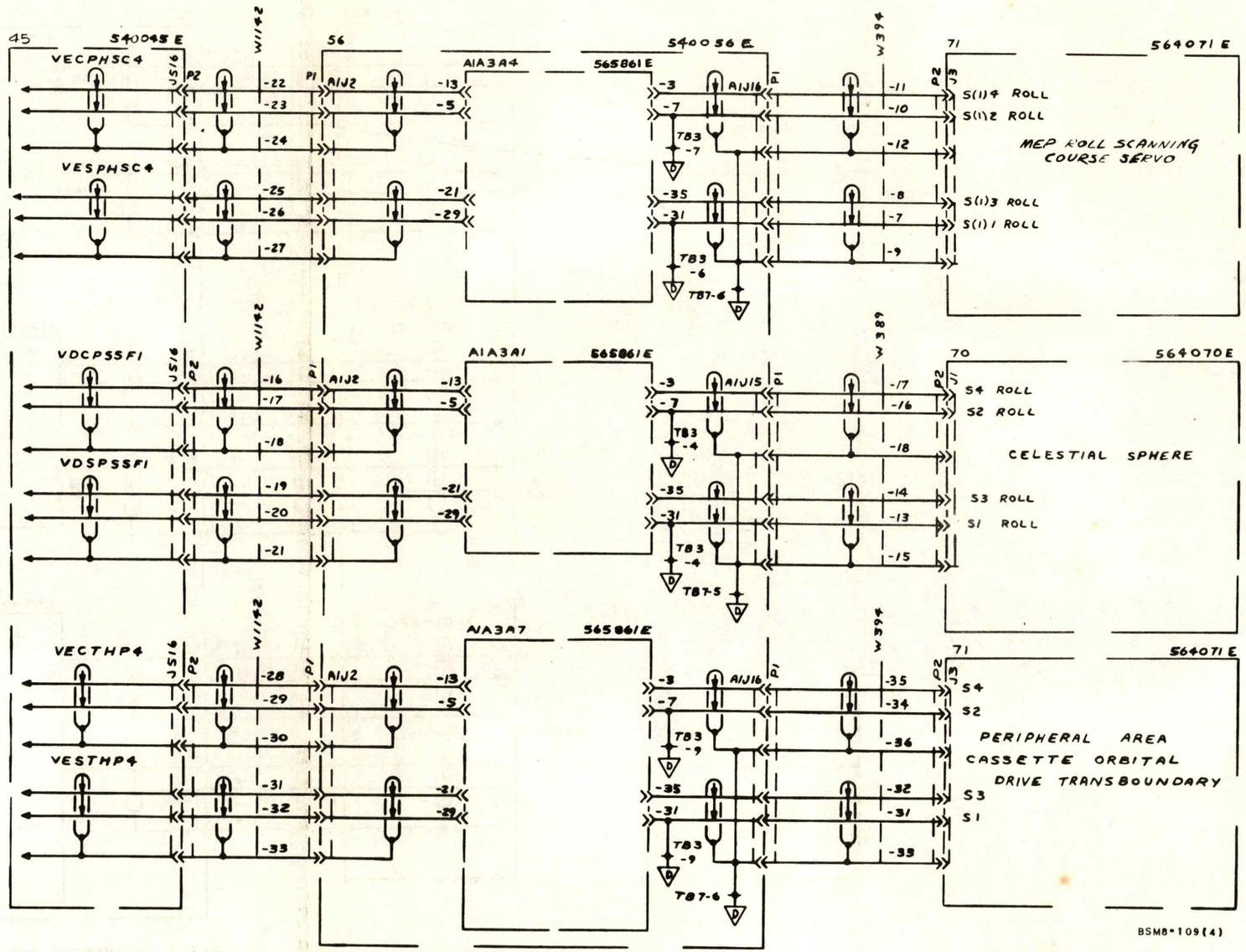
REFER TO SHEET 1 FOR NOTES

Figure 8-109. Synchro Drive (Sheet 2 of 26)



REFER TO SHEET 1 FOR NOTES

Figure 8-109. Synchro Drive (Sheet 3 of 26)



REFER TO SHEET 1 FOR NOTES

Figure 8-109. Synchro Drive (Sheet 4 of 26)

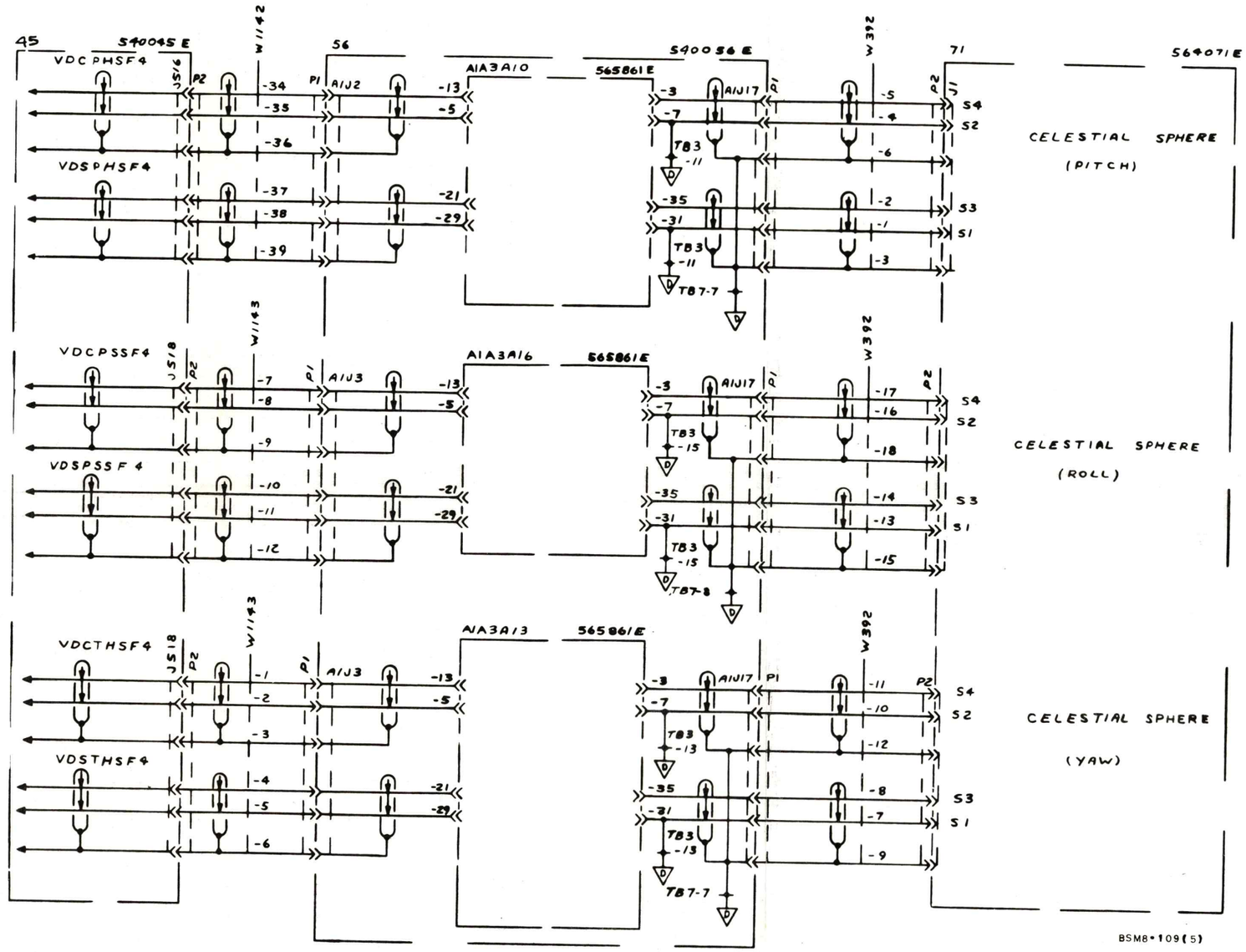
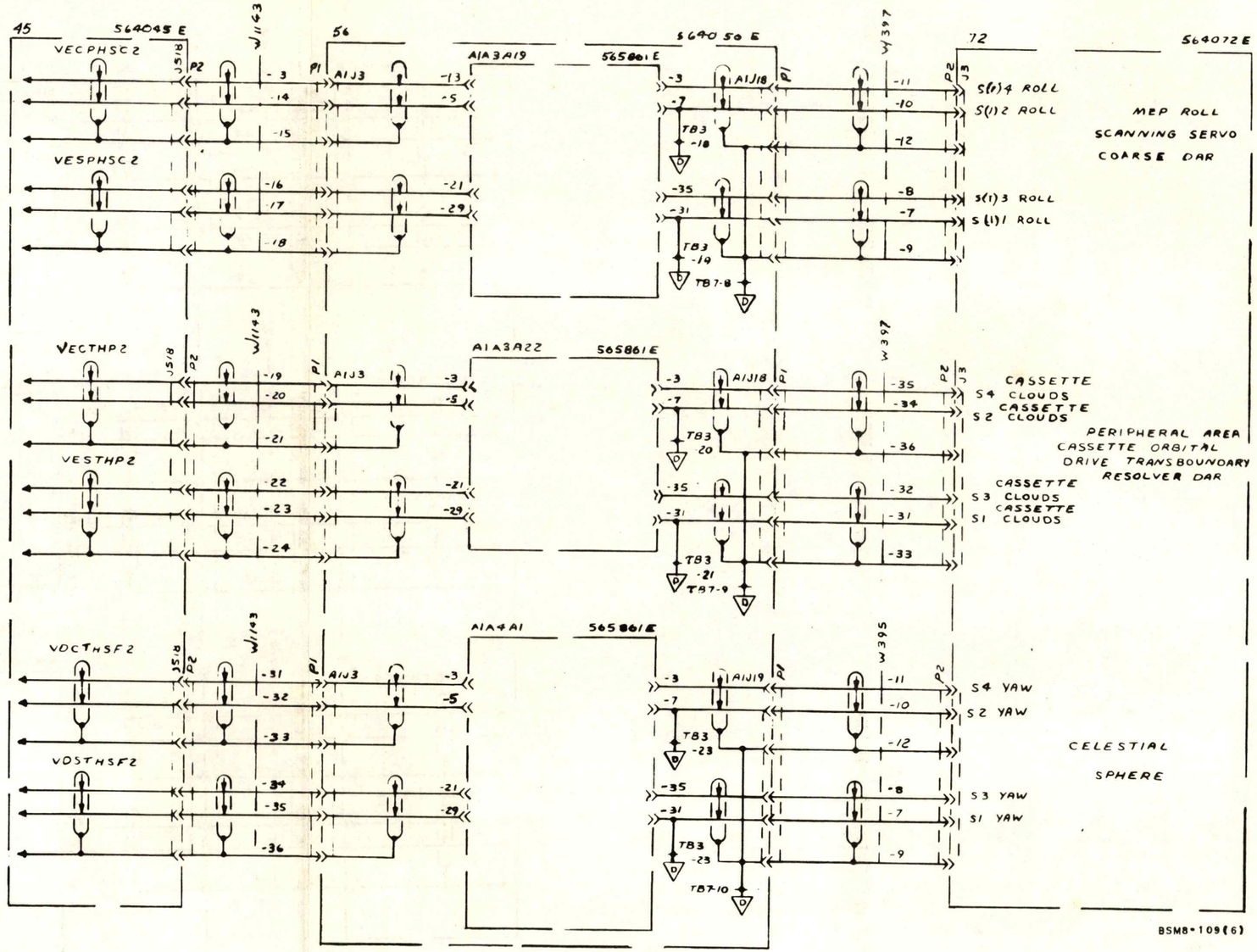


Figure 8-109. Synchro Drive (Sheet 5 of 26)



REFER TO SHEET 1 FOR NOTES

Figure 8-109. Synchro Drive (Sheet 6 of 26)

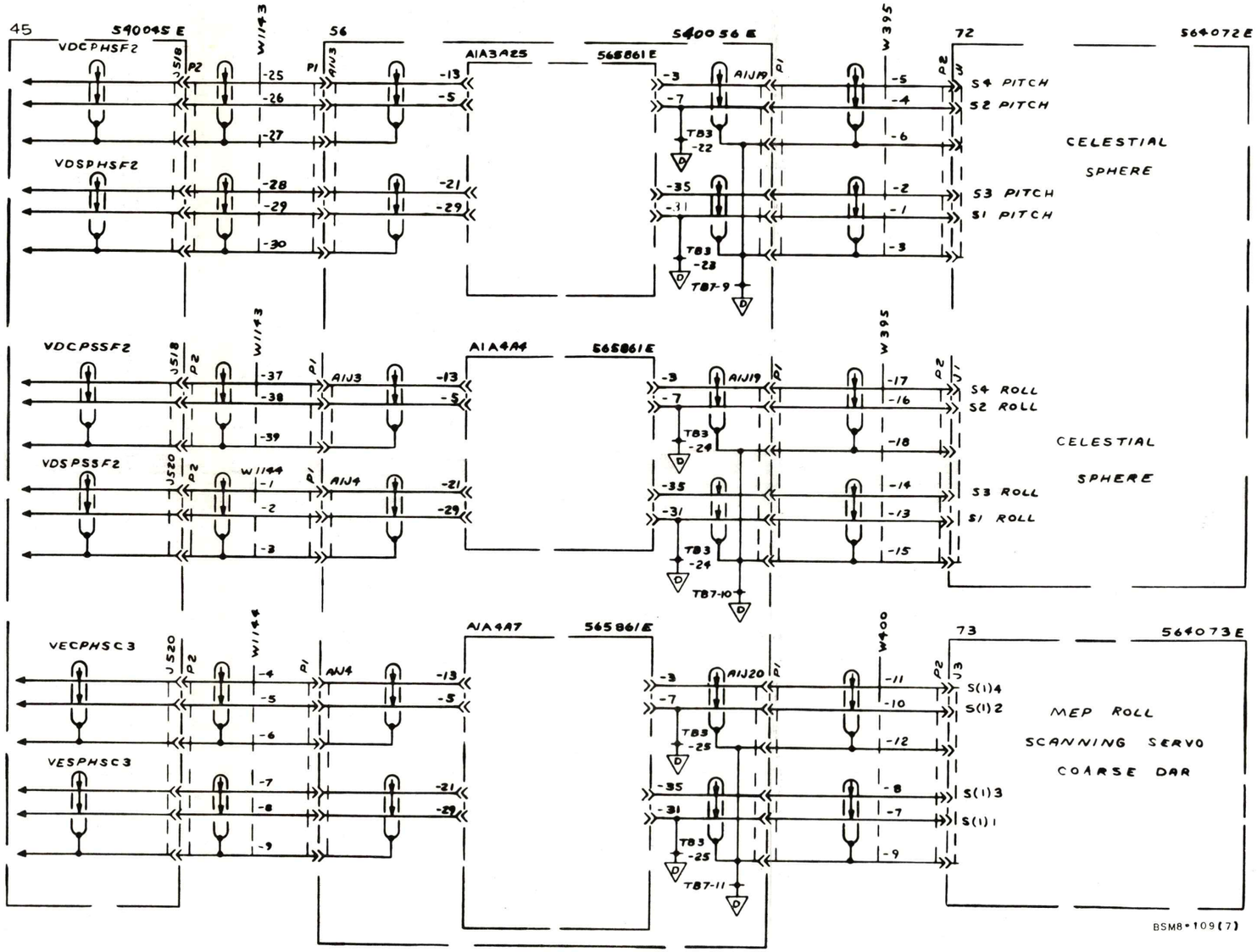
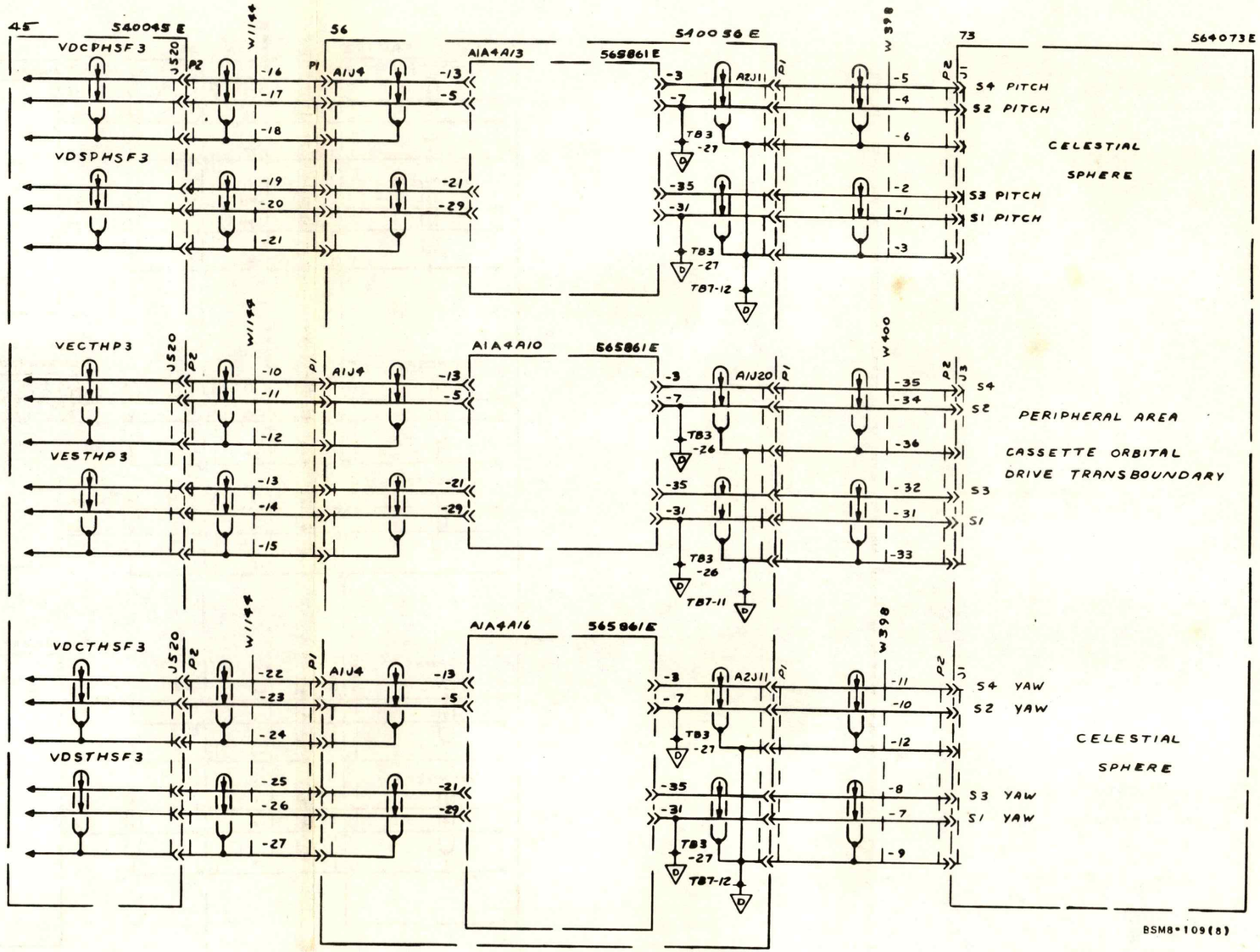
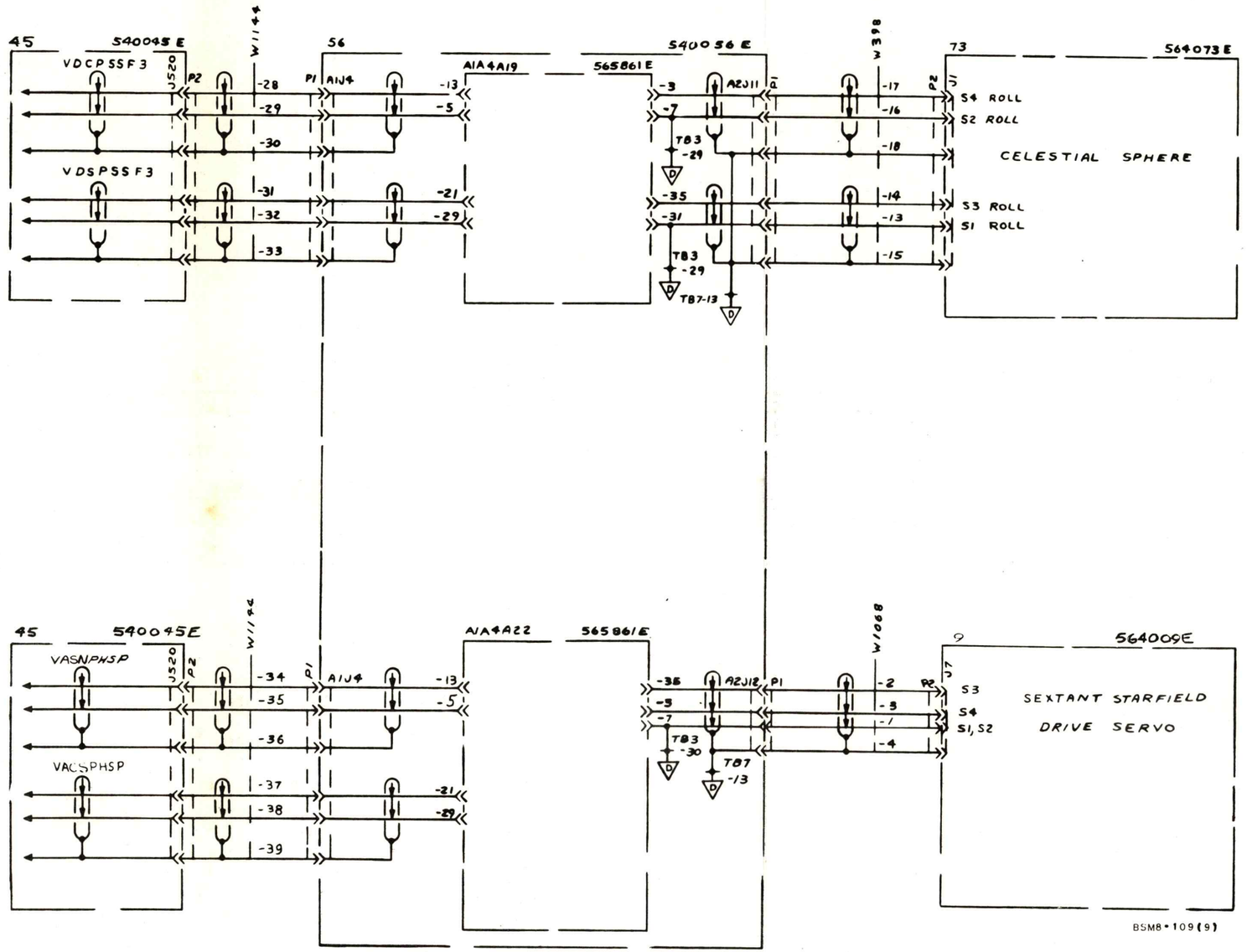


Figure 8-109. Synchro Drive (Sheet 7 of 26)



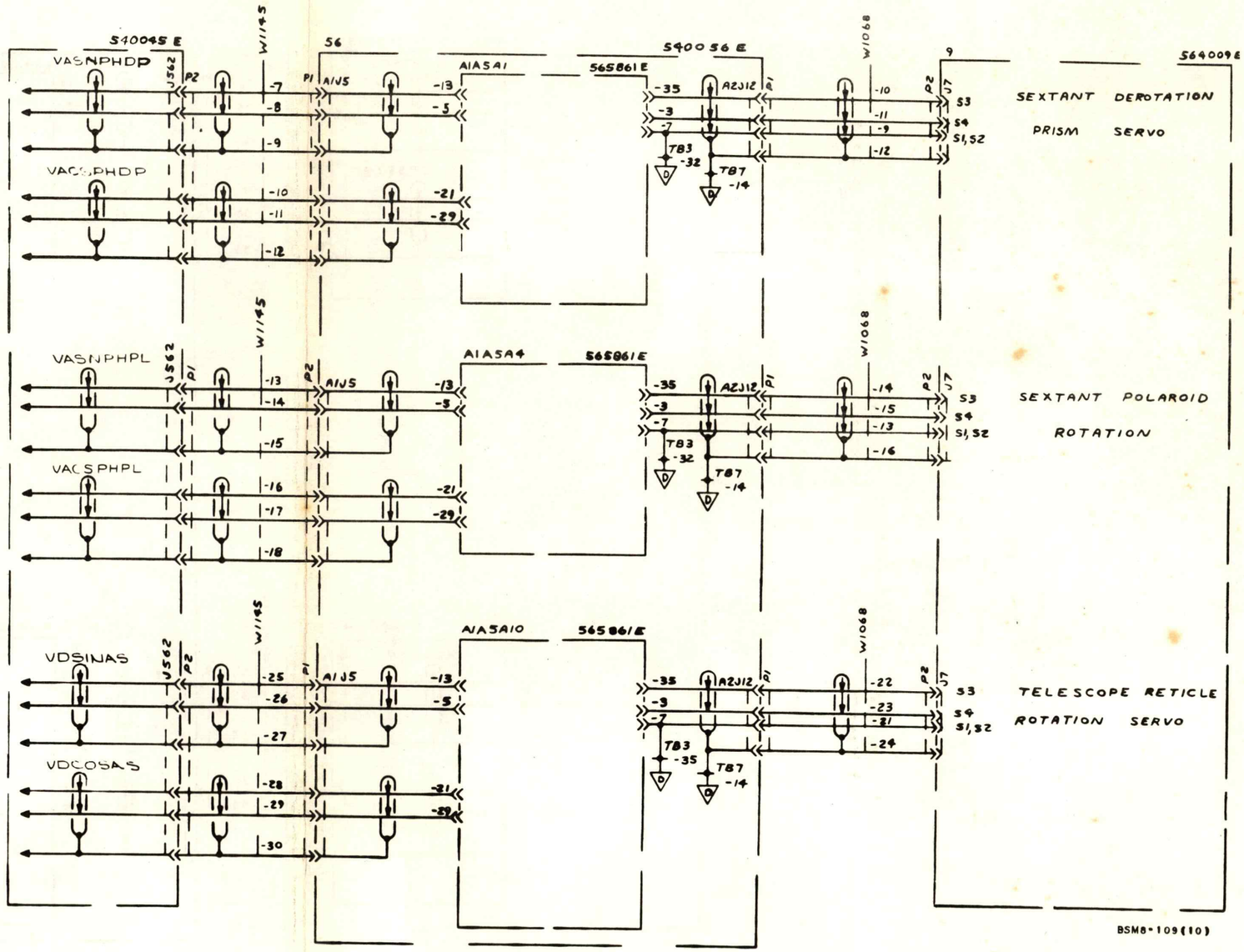
REFER TO SHEET 1 FOR NOTES

Figure 8-109. Synchro Drive (Sheet 8 of 26)



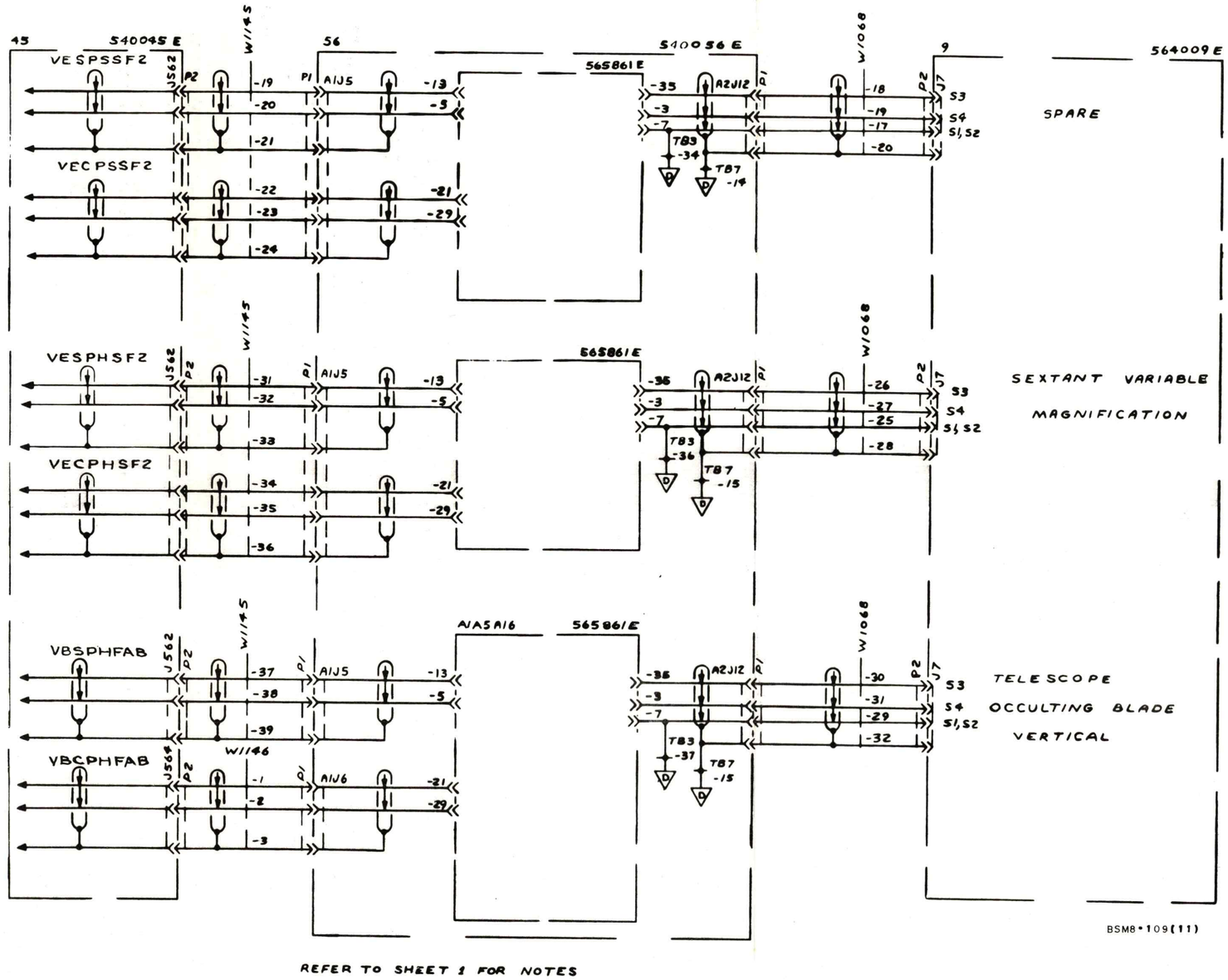
REFER TO SHEET 1 FOR NOTES

Figure 8-109. Synchro Drive (Sheet 9 of 26)



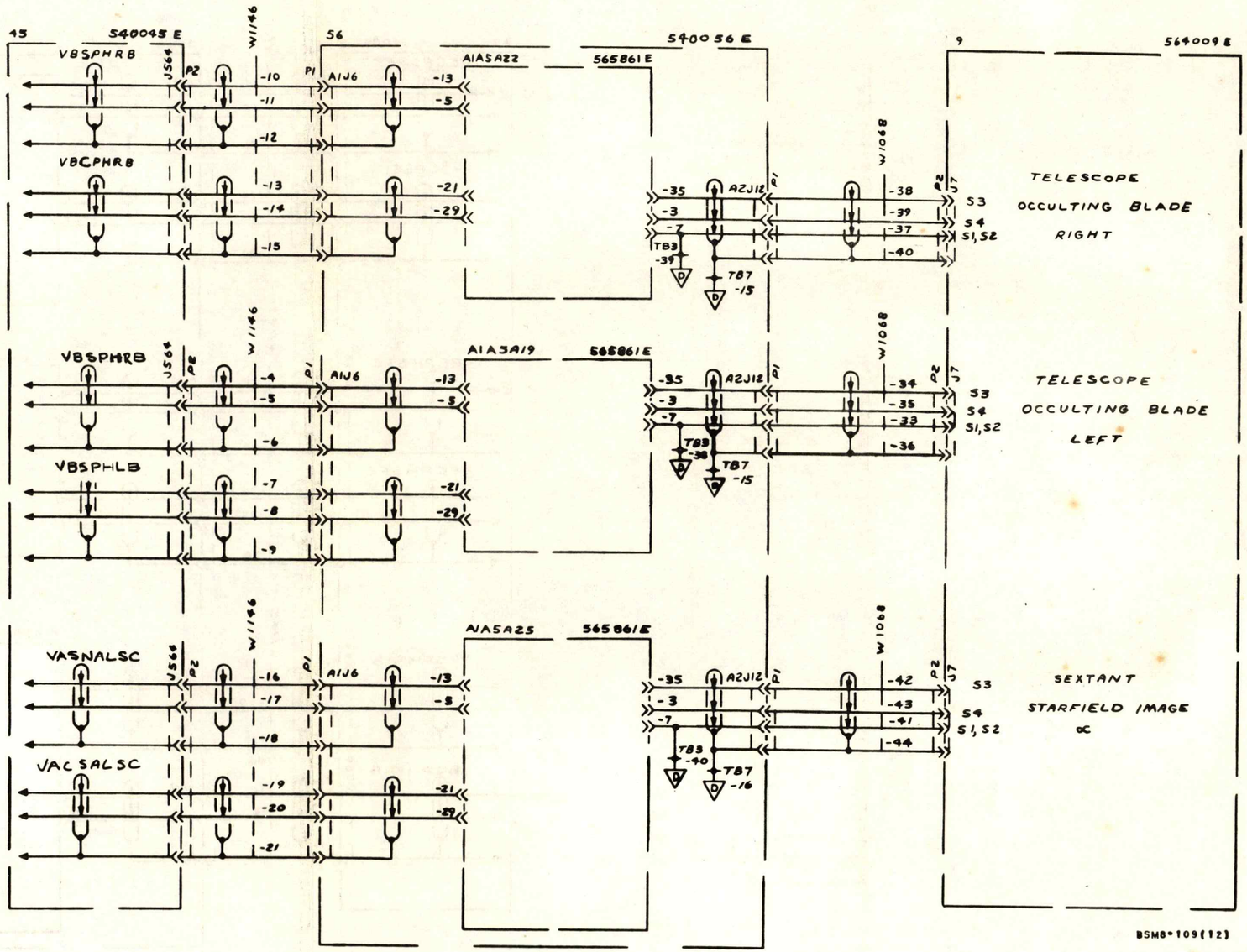
REFER TO SHEET 1 FOR NOTES

Figure 8-109. Synchro Drive (Sheet 10 of 26)



REFER TO SHEET 1 FOR NOTES

Figure 8-109. Synchro Drive (Sheet 11 of 26)



REFER TO SHEET 1 FOR NOTES

Figure 8-109. Synchro Drive (Sheet 12 of 26)

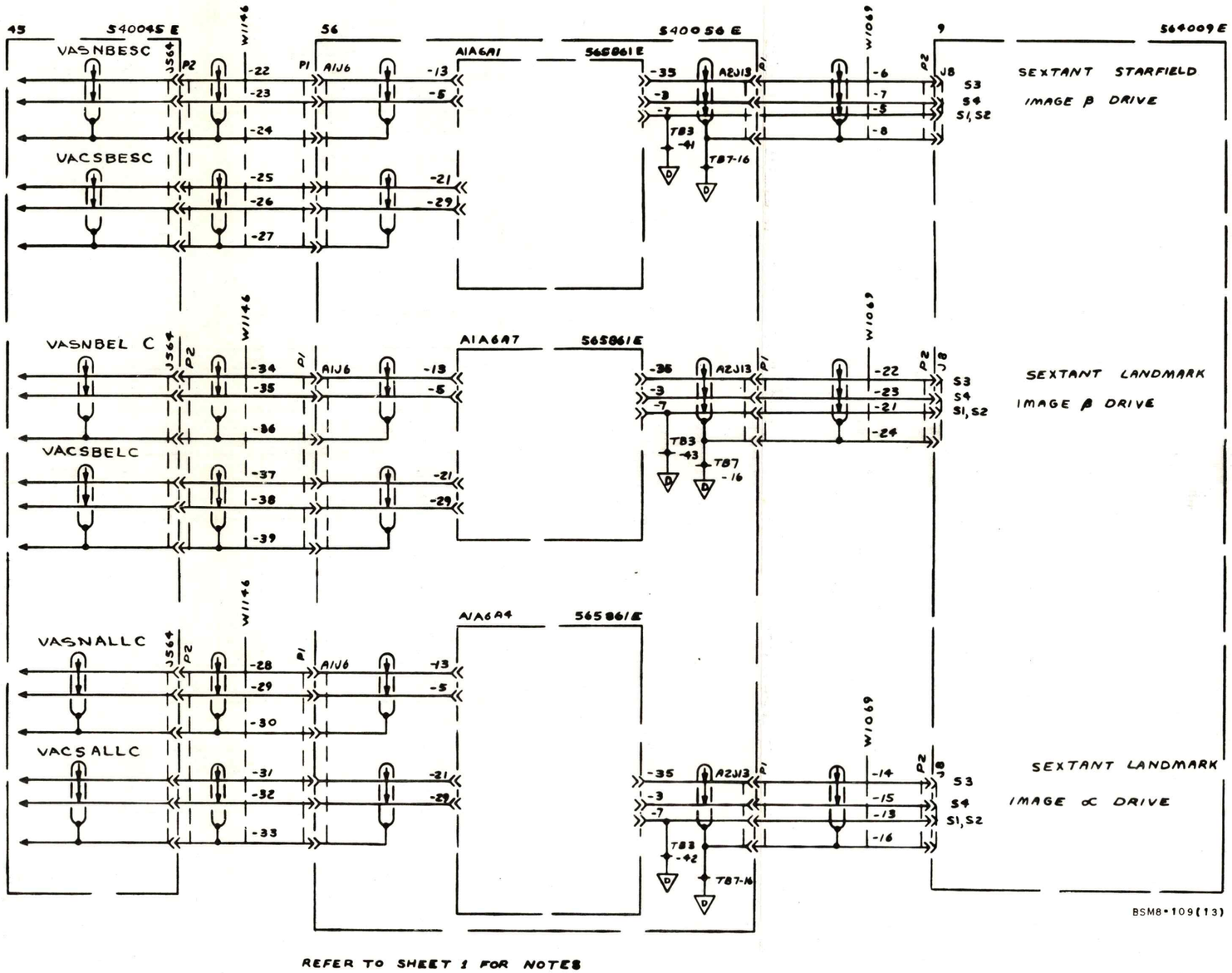
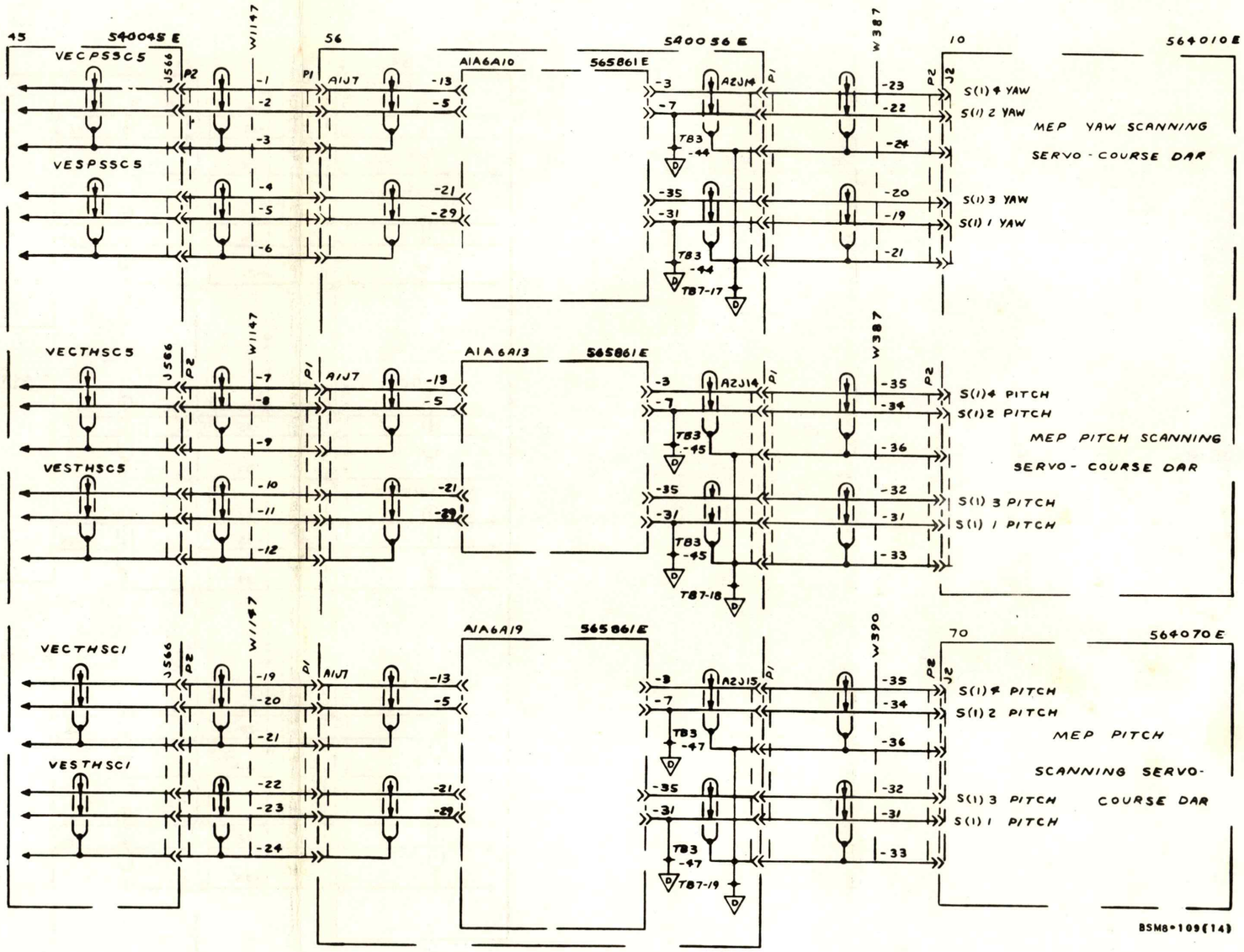


Figure 8-109. Synchro Drive (Sheet 13 of 26)



REFER TO SHEET 1 FOR NOTES

Figure 8-109. Synchro Drive (Sheet 14 of 26)

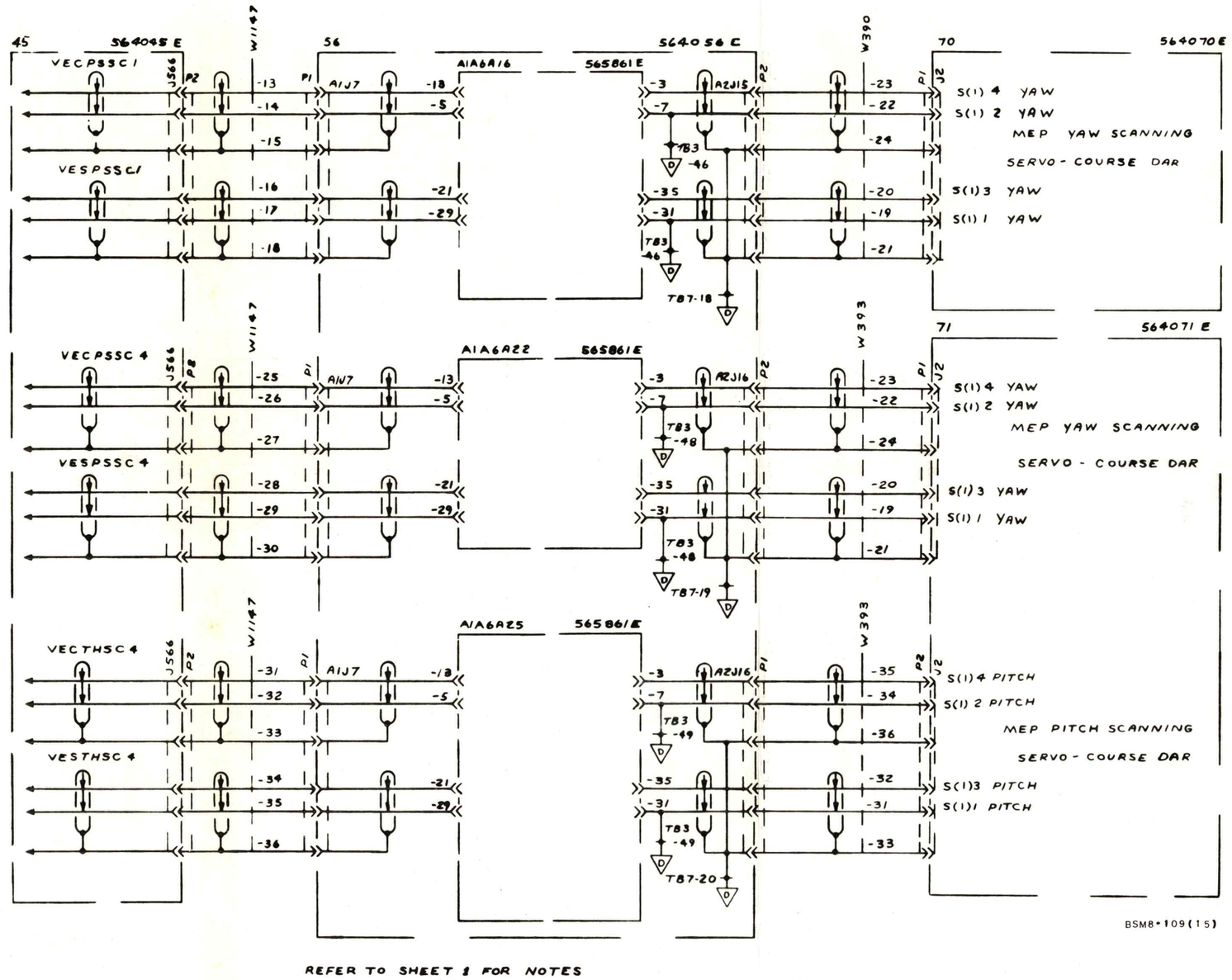


Figure 8-109. Synchro Drive (Sheet 15 of 26)

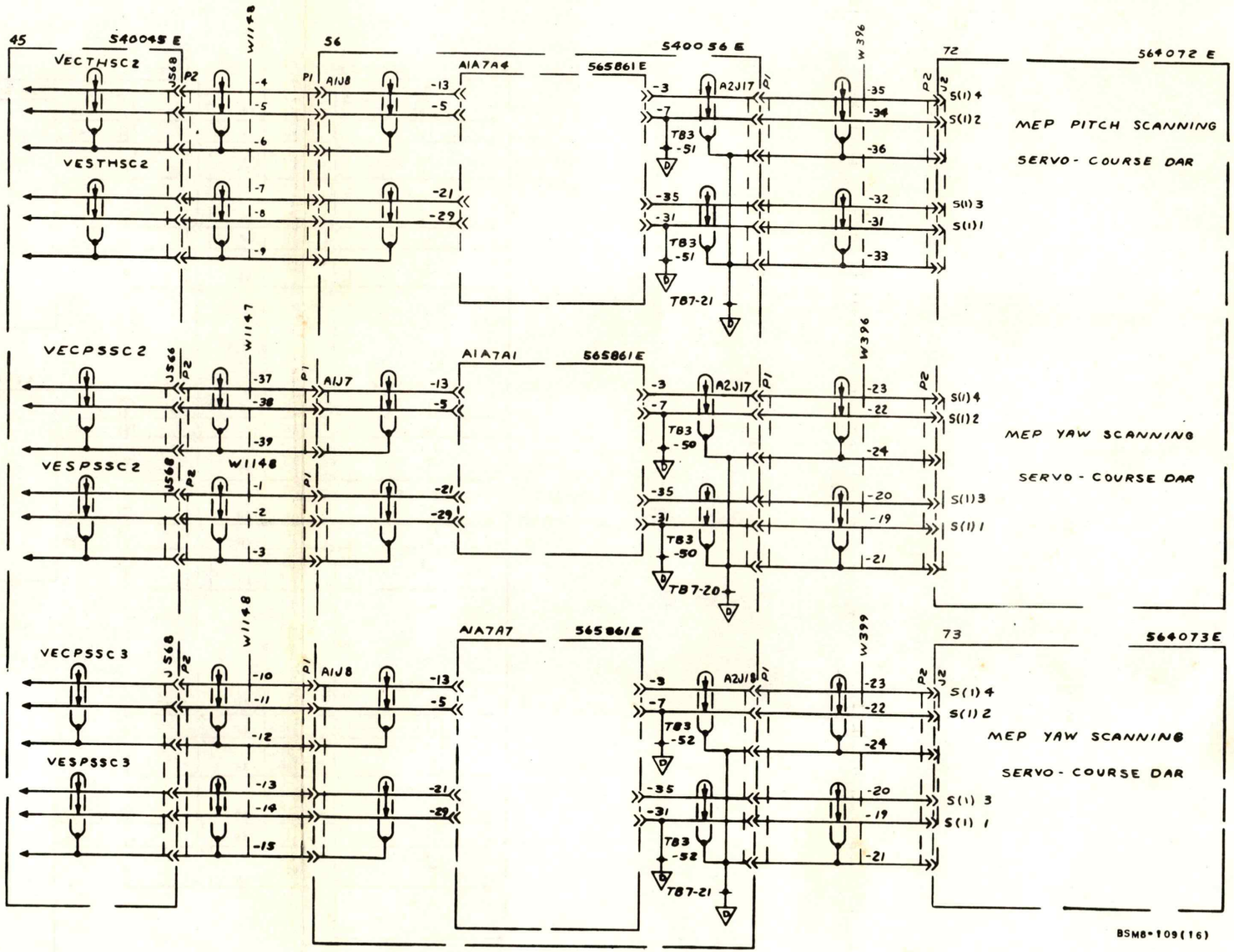
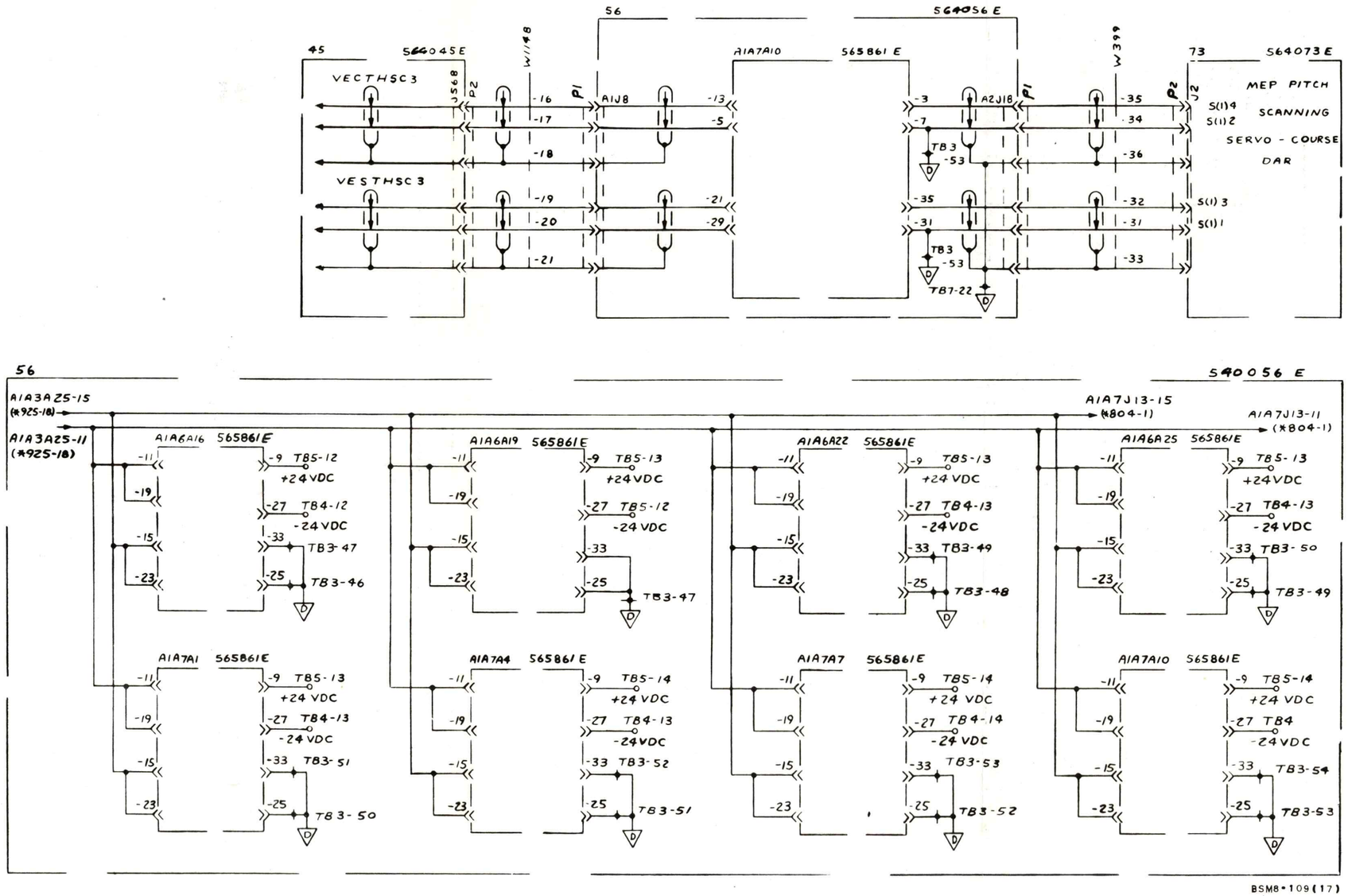


Figure 8-109. Synchro Drive (Sheet 16 of 26)



REFER TO SHEET 1 FOR NOTES

Figure 8-109. Synchro Drive (Sheet 17 of 26)

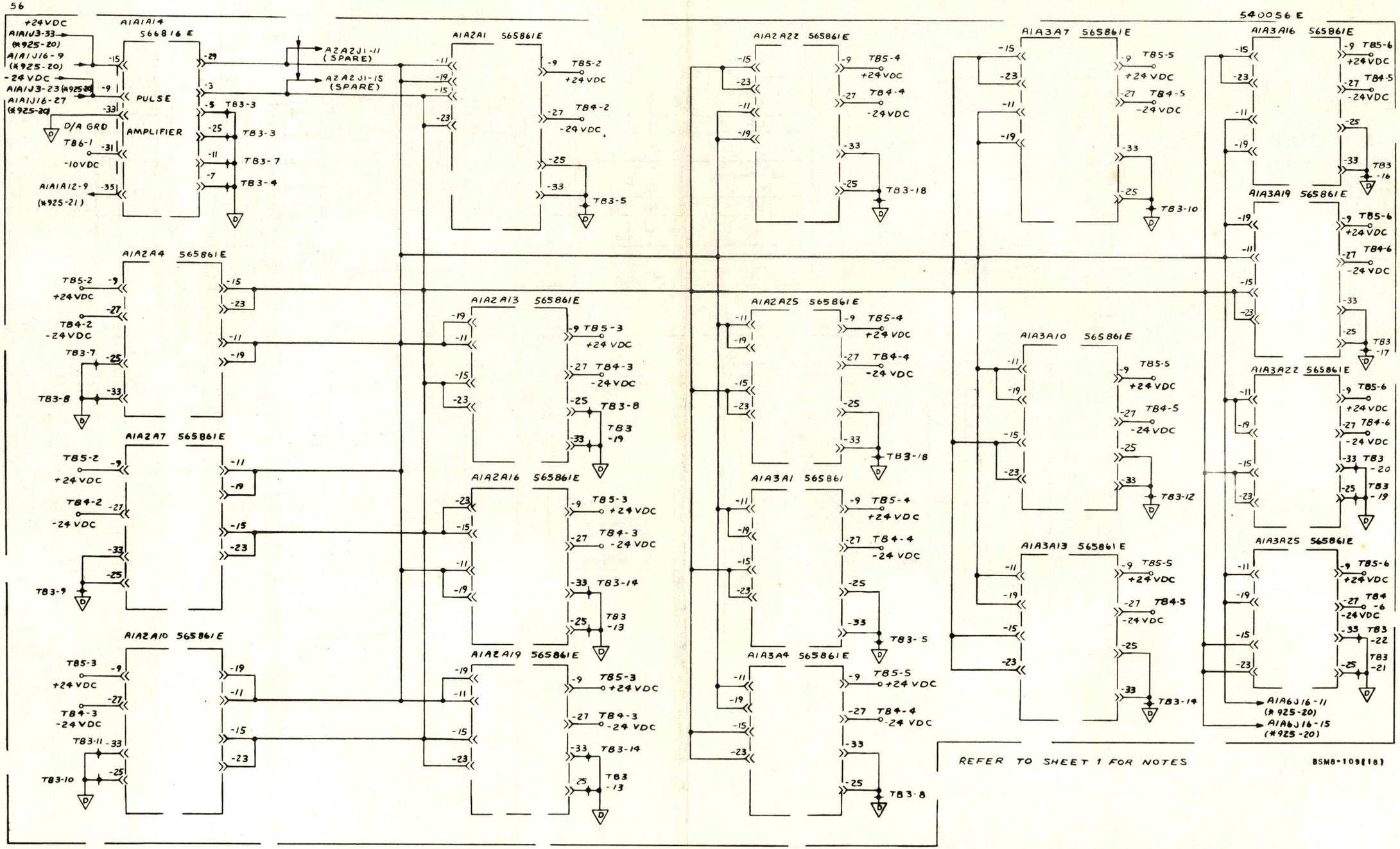


Figure 8-109. Synchro Drive (Sheet 18 of 26)

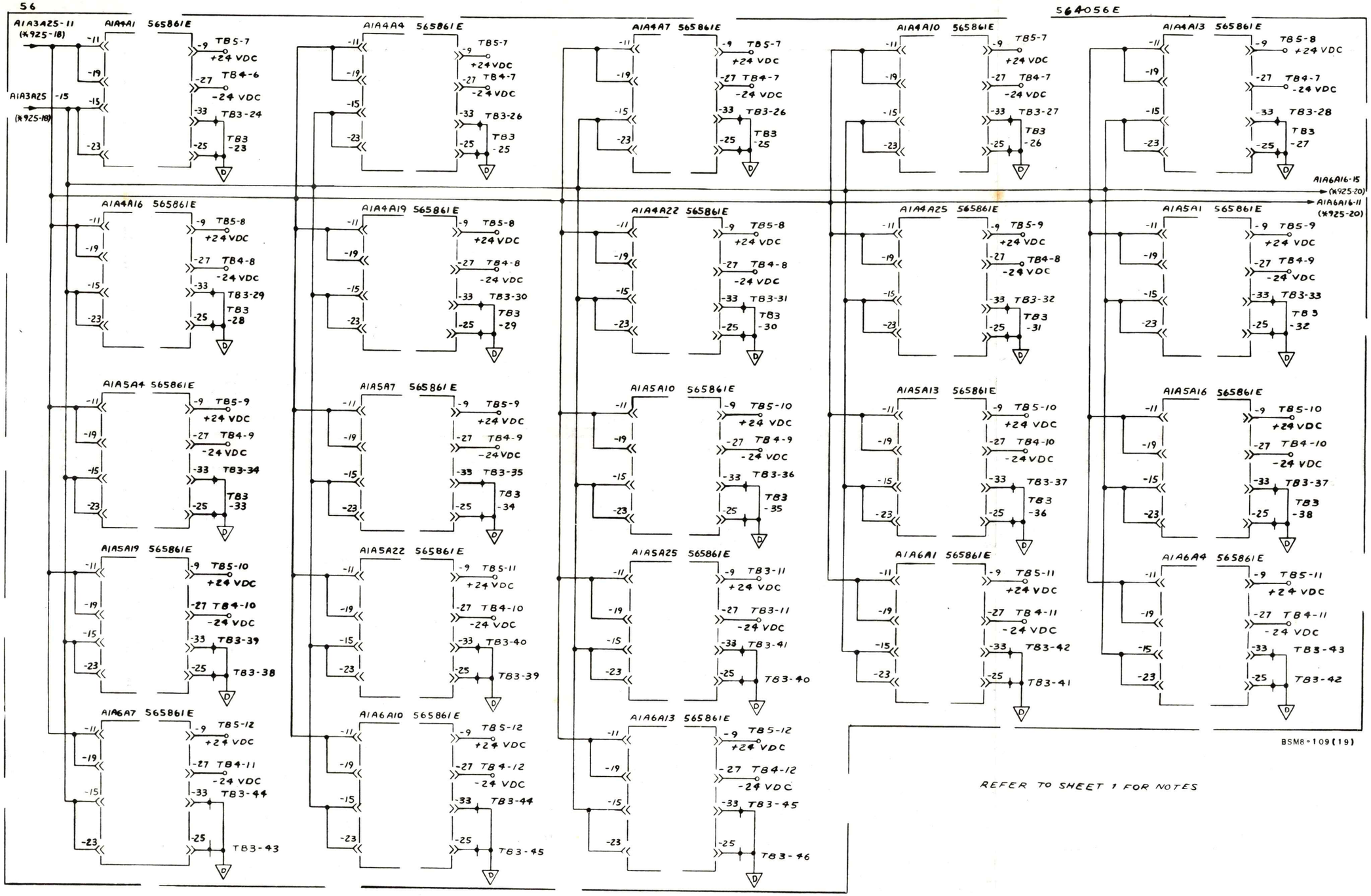


Figure 8-109. Synchro Drive (Sheet 19 of 26)

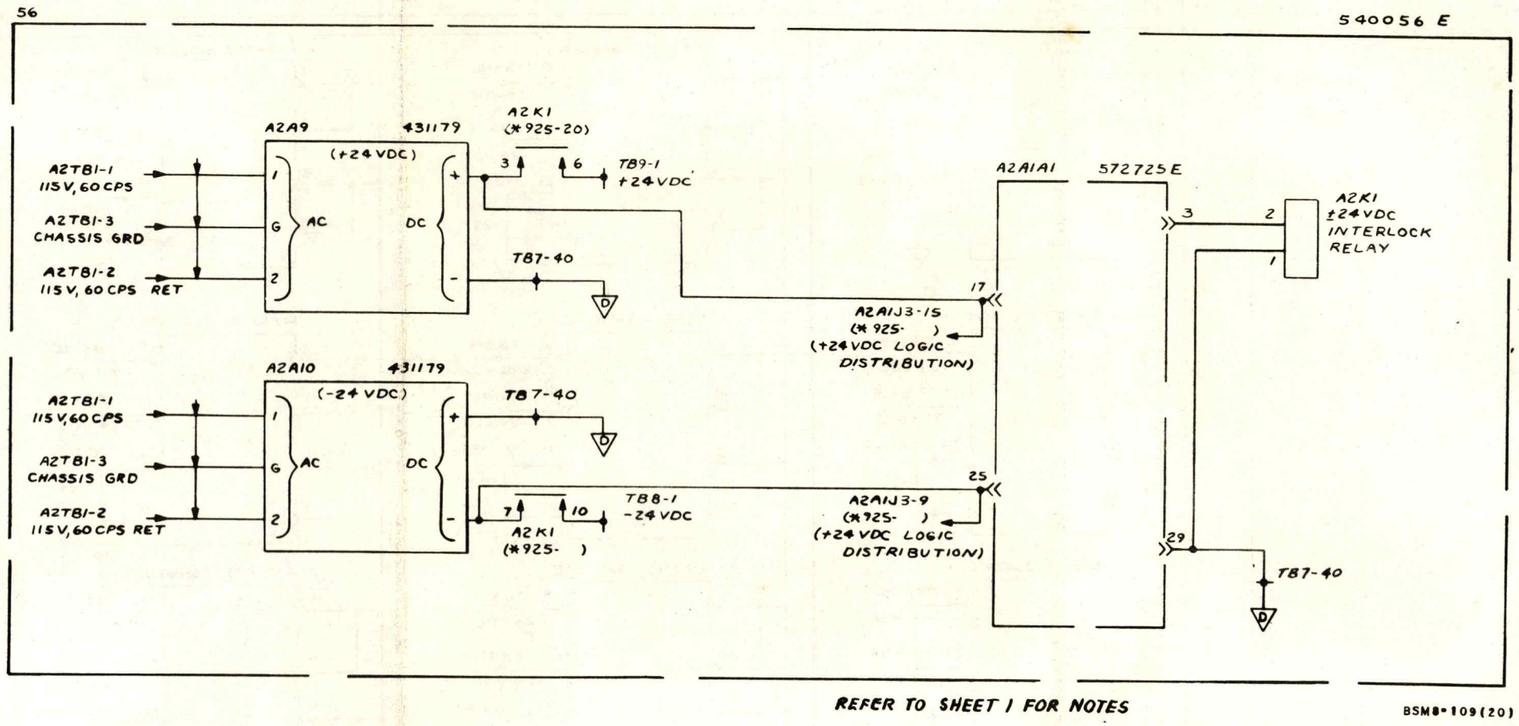


Figure 8-109. Synchro Drive (Sheet 20 of 26)

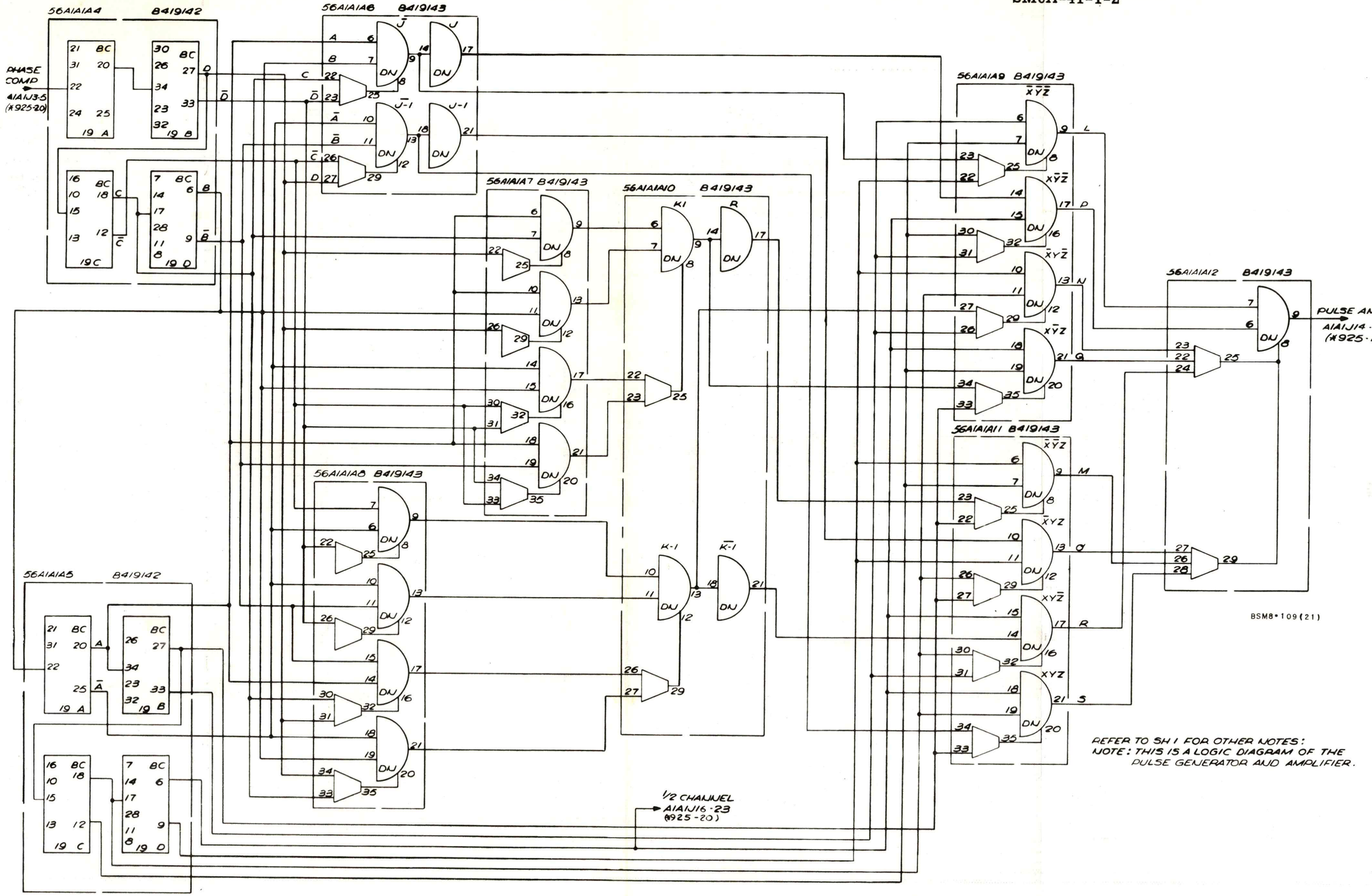


Figure 8-109. Synchro Drive (Sheet 21 of 26)

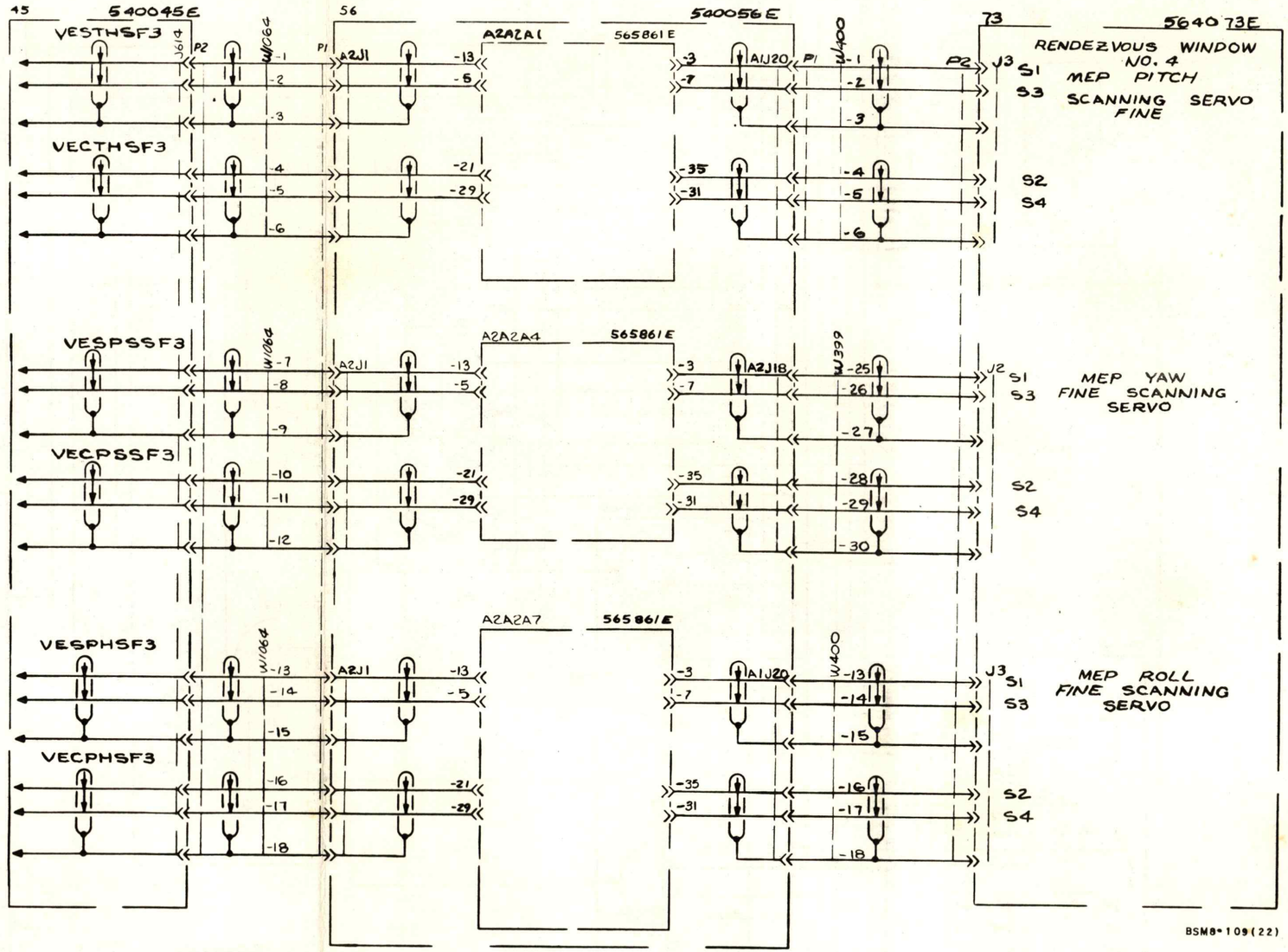
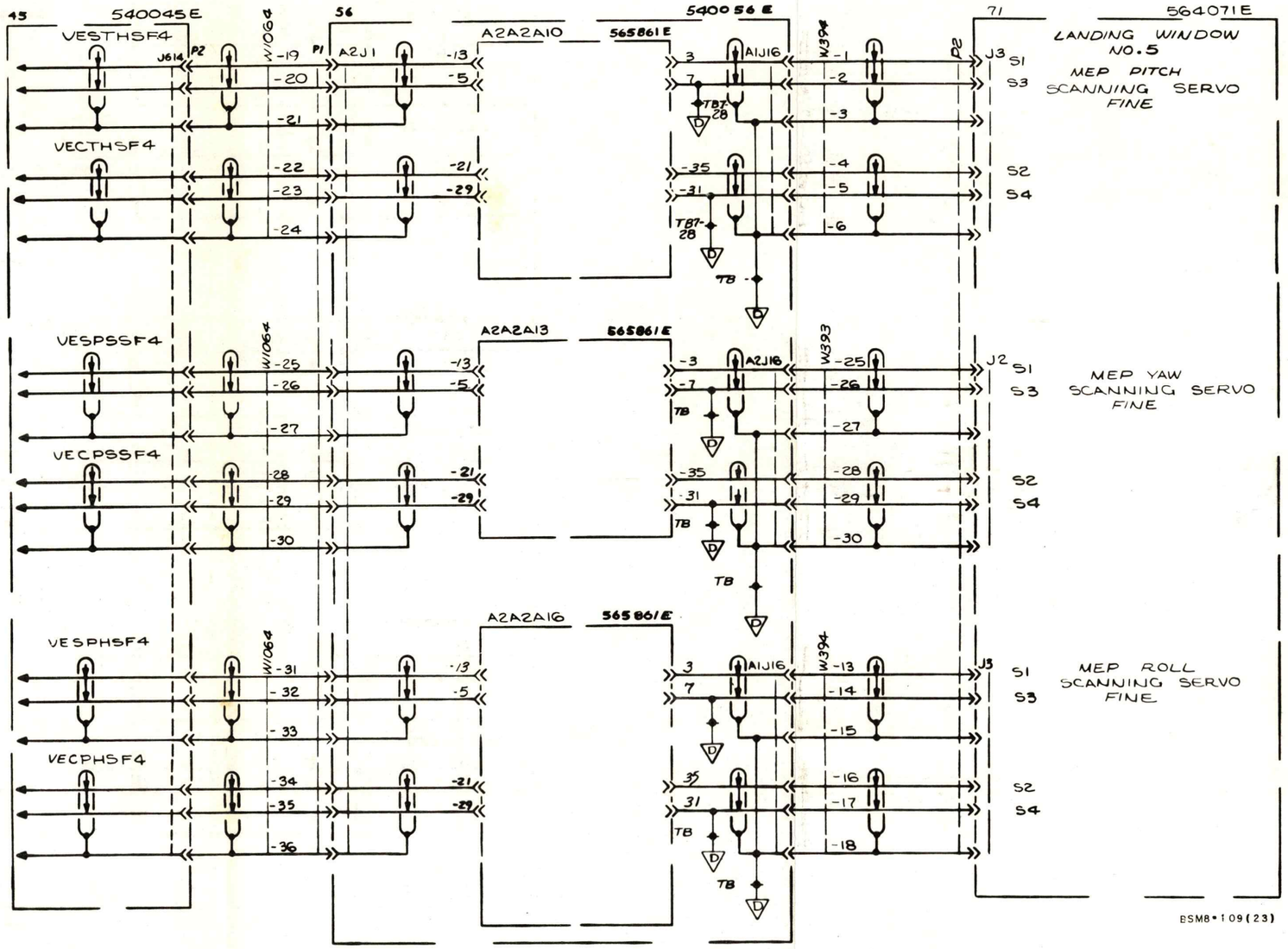
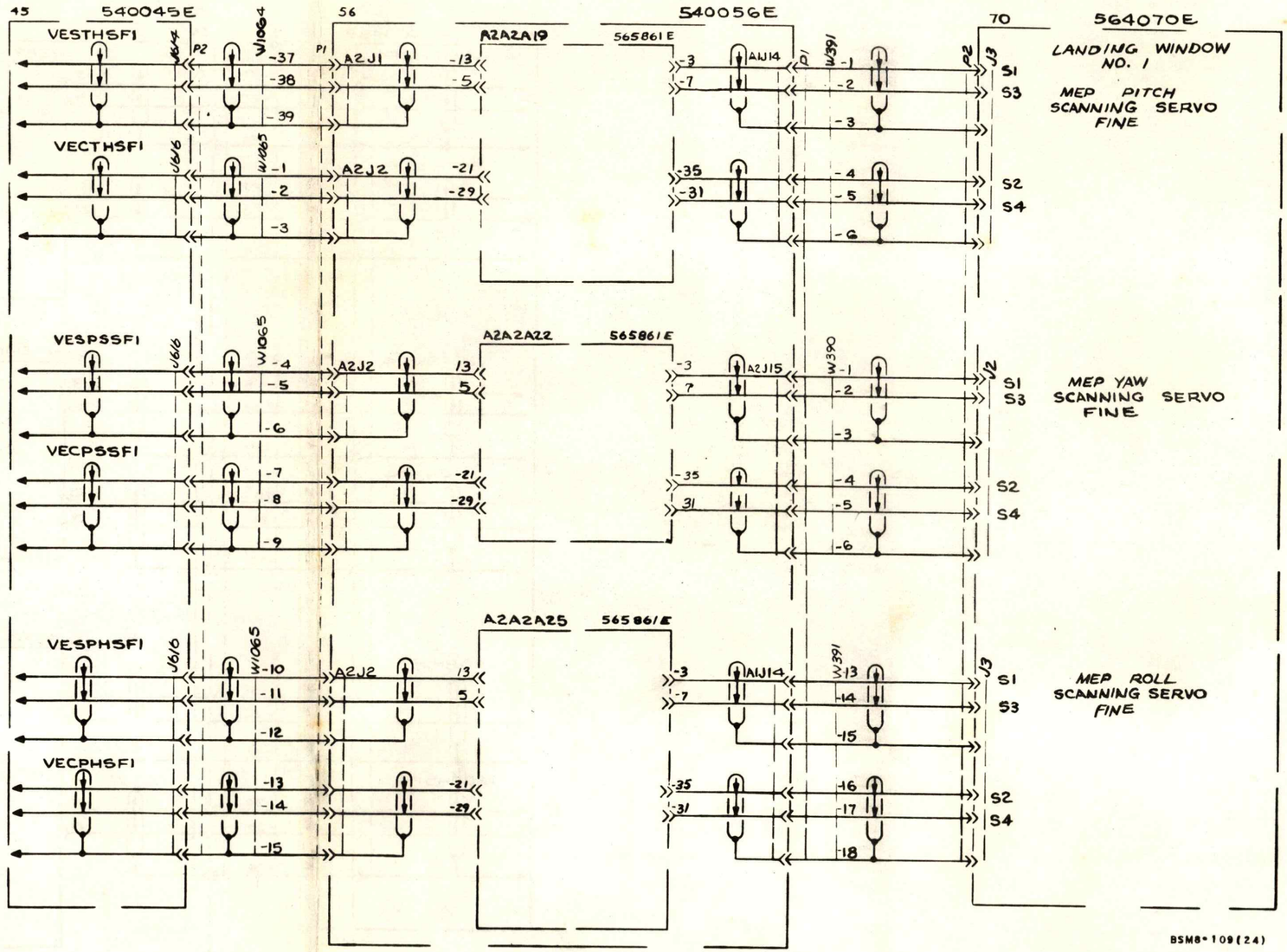


Figure 8-109. Synchro Drive (Sheet 22 of 26)



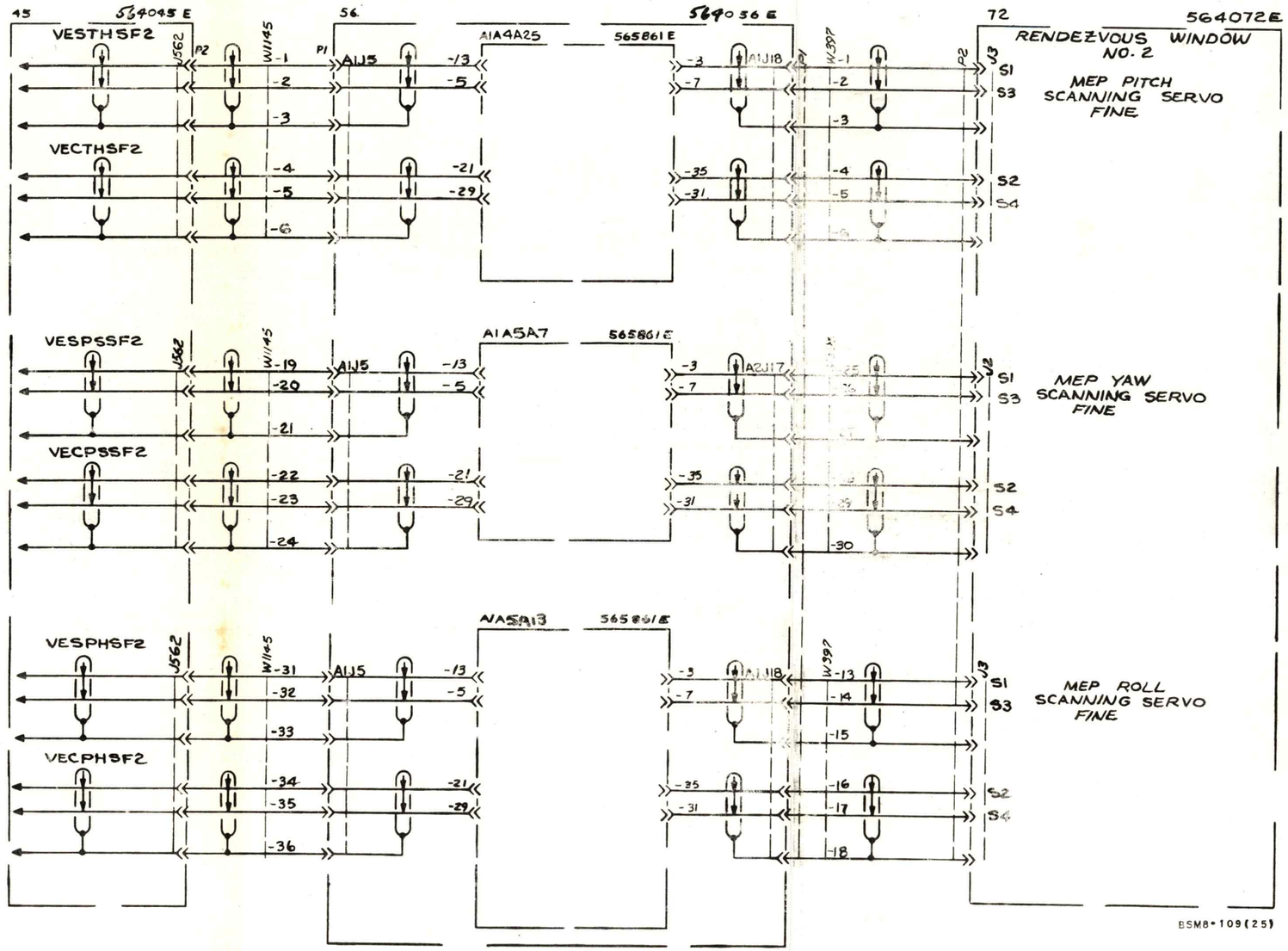
REFER TO SHEET 1 FOR NOTES

Figure 8-109. Synchro Drive (Sheet 23 of 26)



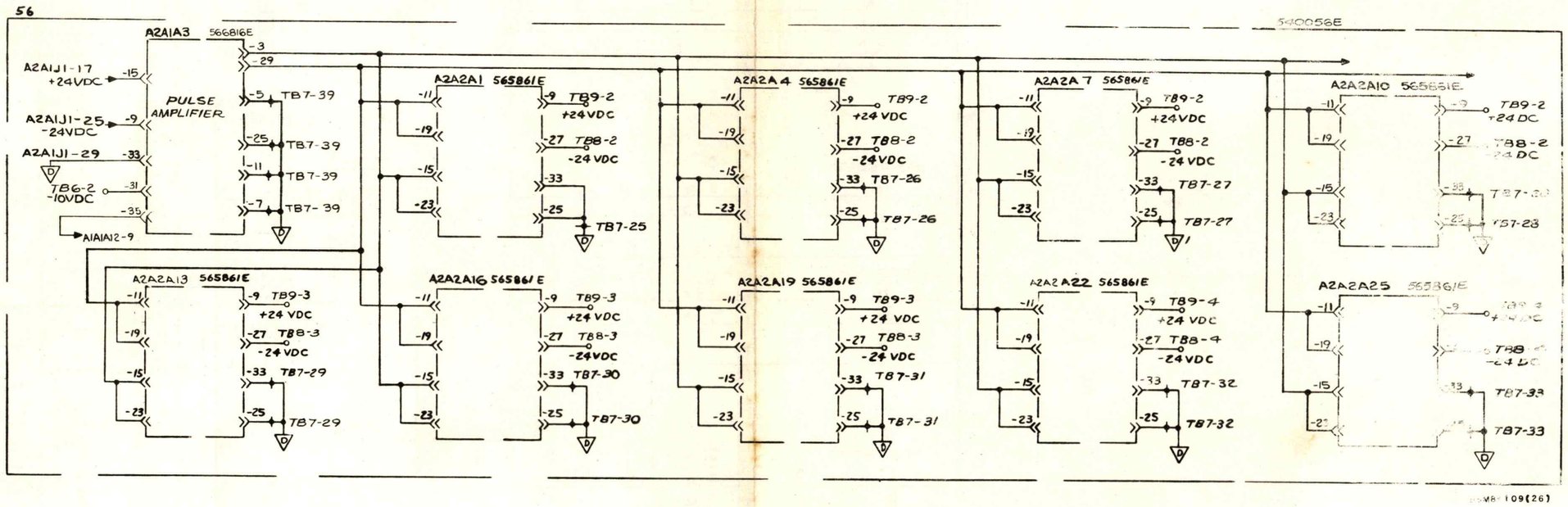
REFER TO SHEET 1 FOR NOTES

Figure 8-109. Synchro Drive (Sheet 24 of 26)



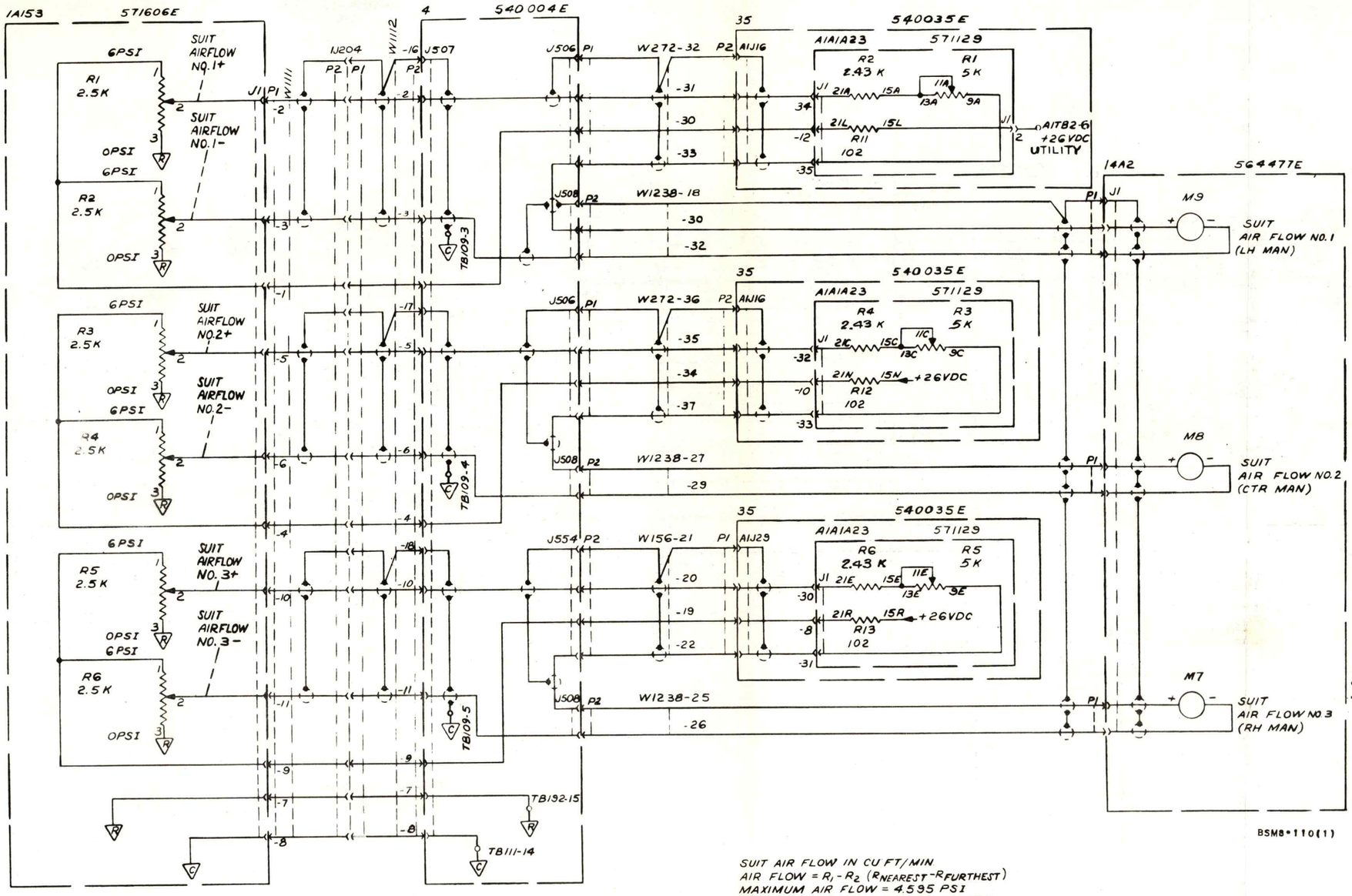
REFER TO SHEET 1 FOR NOTES

Figure 8-109. Synchro Drive (Sheet 25 of 26)



REFER TO SHEET 1 FOR NOTES

Figure 8-109. Synchro Drive (Sheet 26 of 26)



BSM8-110(1)

ENG. DWG. NO.	HDBK. FIG. NO.
564926	8-110
564911	8-95
564923	8-107

UNLESS OTHERWISE NOTED

1. ALL RESISTANCE IN OHMS
2. * SYSTEM DIAGRAM AND PREFIXED BY B564
3. REF DESIGNATIONS ARE ABBREVIATED PREFIX THE DESIGNATION WITH UNIT NO. OR ASSY DESIGNATION OR BOTH
4. ALL DIODES IN538
5. (R) = RELAY RETURN, (C) = CHASSIS RETURN, (D) = DC POWER GRD ALL LOW VOLTAGE DC RETURNS, NOT INCLUDED UNDER OTHER SYMBOLS

SUIT AIR FLOW IN CU FT/MIN
AIR FLOW = $R_1 - R_2$ ($R_{NEAREST} - R_{FURTHEST}$)
MAXIMUM AIR FLOW = 4.595 PSI
4.59 PSI = 14 CU FT/MIN ON METER
NORMAL AIR FLOW = 5 TO 125 CU FT/MIN
WITH $R_{NEAREST}$ AT 9.35VDC AND $R_{FURTHEST}$ AT 0VDC
ADJUST R_4 FOR 105 CU FT/MIN ON METER
R1, R3, R5, R7 = TRANSDUCER NEAREST BLOWER
R2, R4, R6, R8 = TRANSDUCER FURTHEST FROM BLOWER
R4 = ADJ POT (35A1A1A23 R1 R3 R5)

Figure 8-110. True Trainee Environment (Sheet 1 of 3)

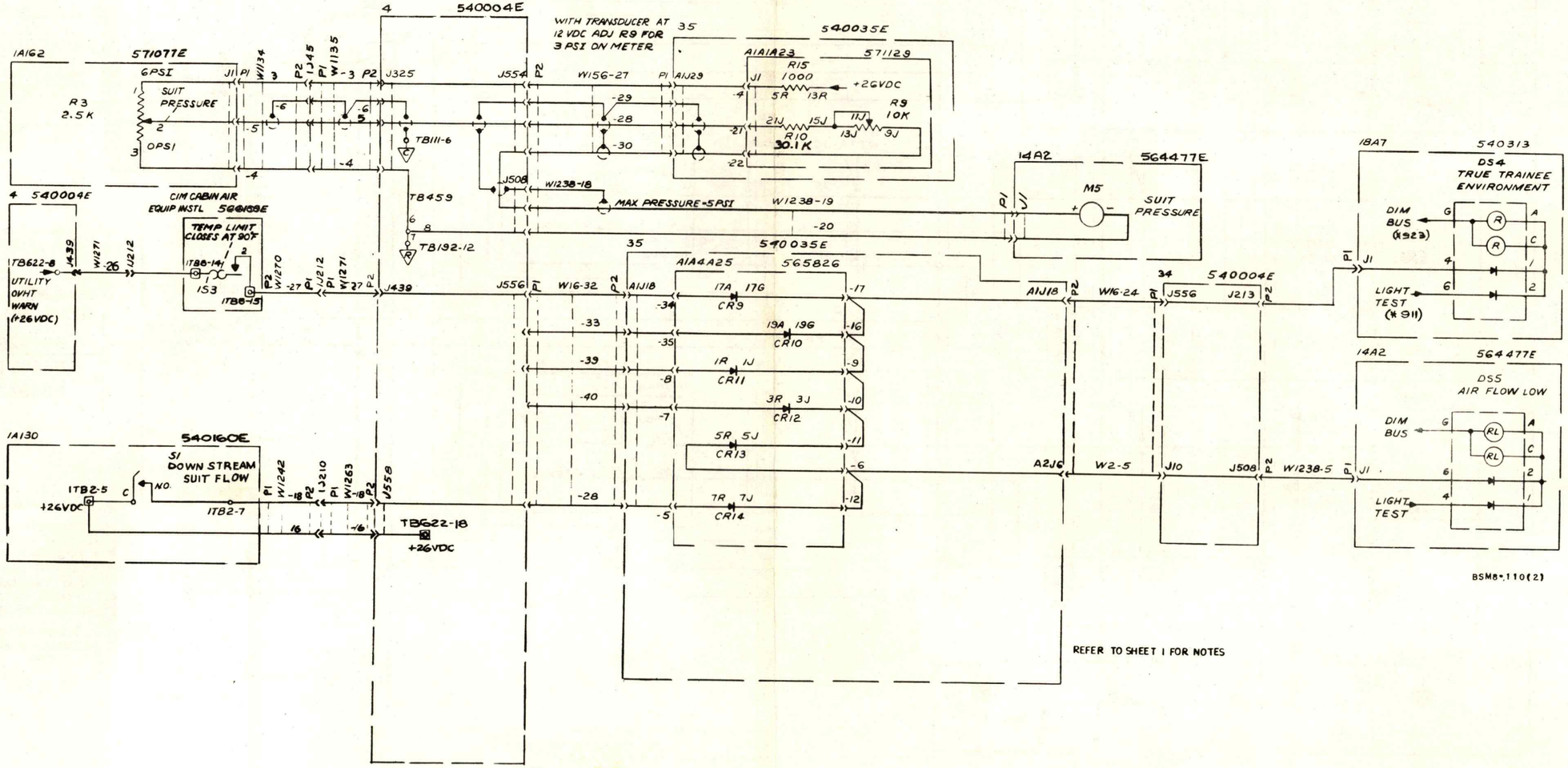
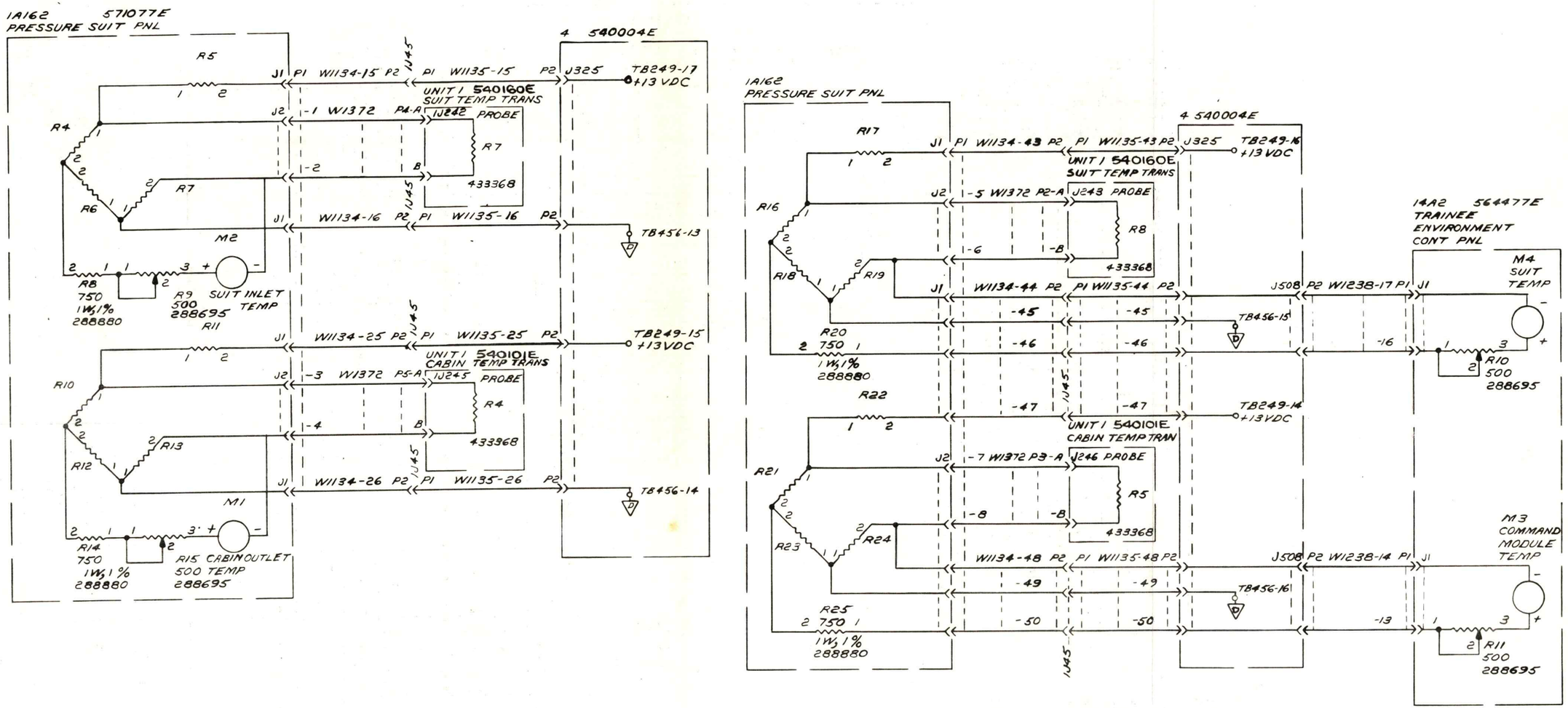


Figure 8-110. True Trainee Environment (Sheet 2 of 3)

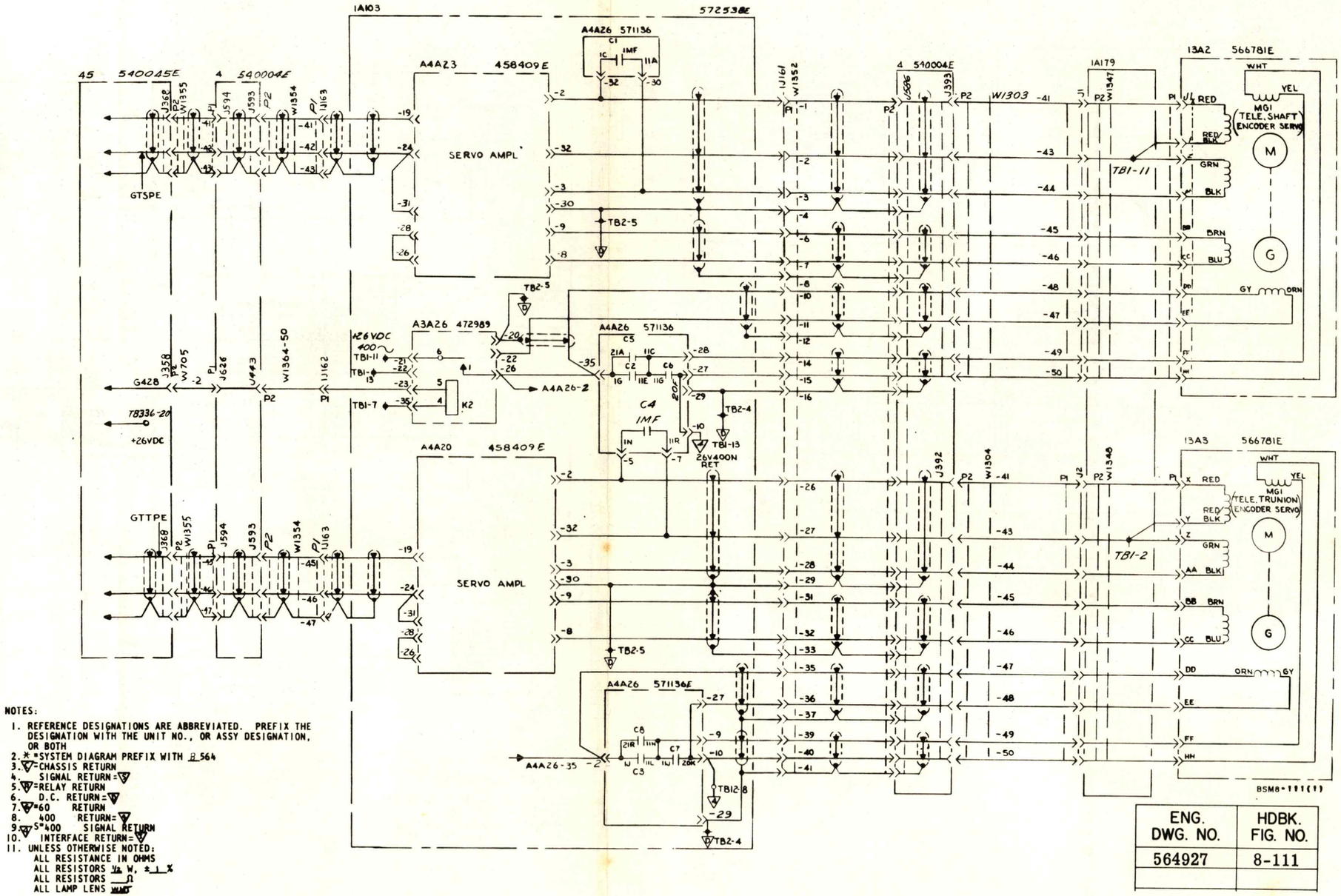


BSM8•110(3)

UNLESS OTHERWISE NOTED:
ALL RESISTORS 90.9 OHM (288792)
ALL RESISTANCE IN OHMS
ALL METERS: RANGE, 30° TO 130°
FULL SCALE DEFLECTION, 500μA
RESISTANCE, 135 OHMS

REFER TO SHEET 1 FOR NOTES

Figure 8-110. True Trainee Environment (Sheet 3 of 3)



NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. * =SYSTEM DIAGRAM PREFIX WITH # 564
3. ▽=CHASSIS RETURN
4. SIGNAL RETURN=▽
5. ▽=RELAY RETURN
6. D.C. RETURN=▽
7. ▽=60 RETURN
8. 400 RETURN=▽
9. S=400 SIGNAL RETURN
10. INTERFACE RETURN=▽
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS ½ W, ±1%
    ALL RESISTORS ___Ω
    ALL LAMP LENS WHITE
12. ALL IU CONNECTORS LOCATED ON C/M DISCONNECT PANEL

ENG. DWG. NO.	HDBK. FIG. NO.
564927	8-111

Figure 8-111. Shaft and Trunnion Logic Diagram (Sheet 1 of 8)

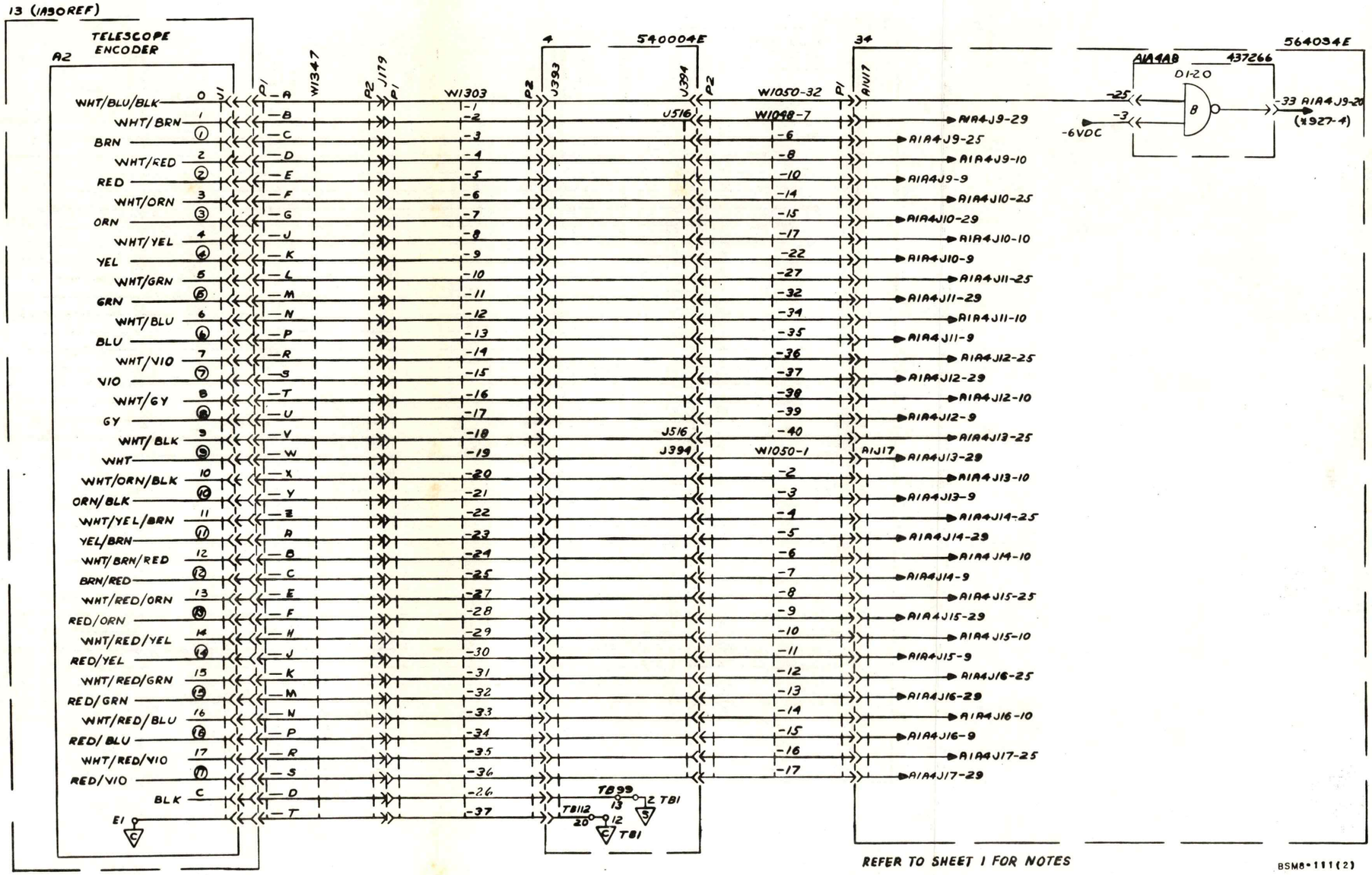


Figure 8-111. Shaft and Trunnion Logic Diagram (Sheet 2 of 8)

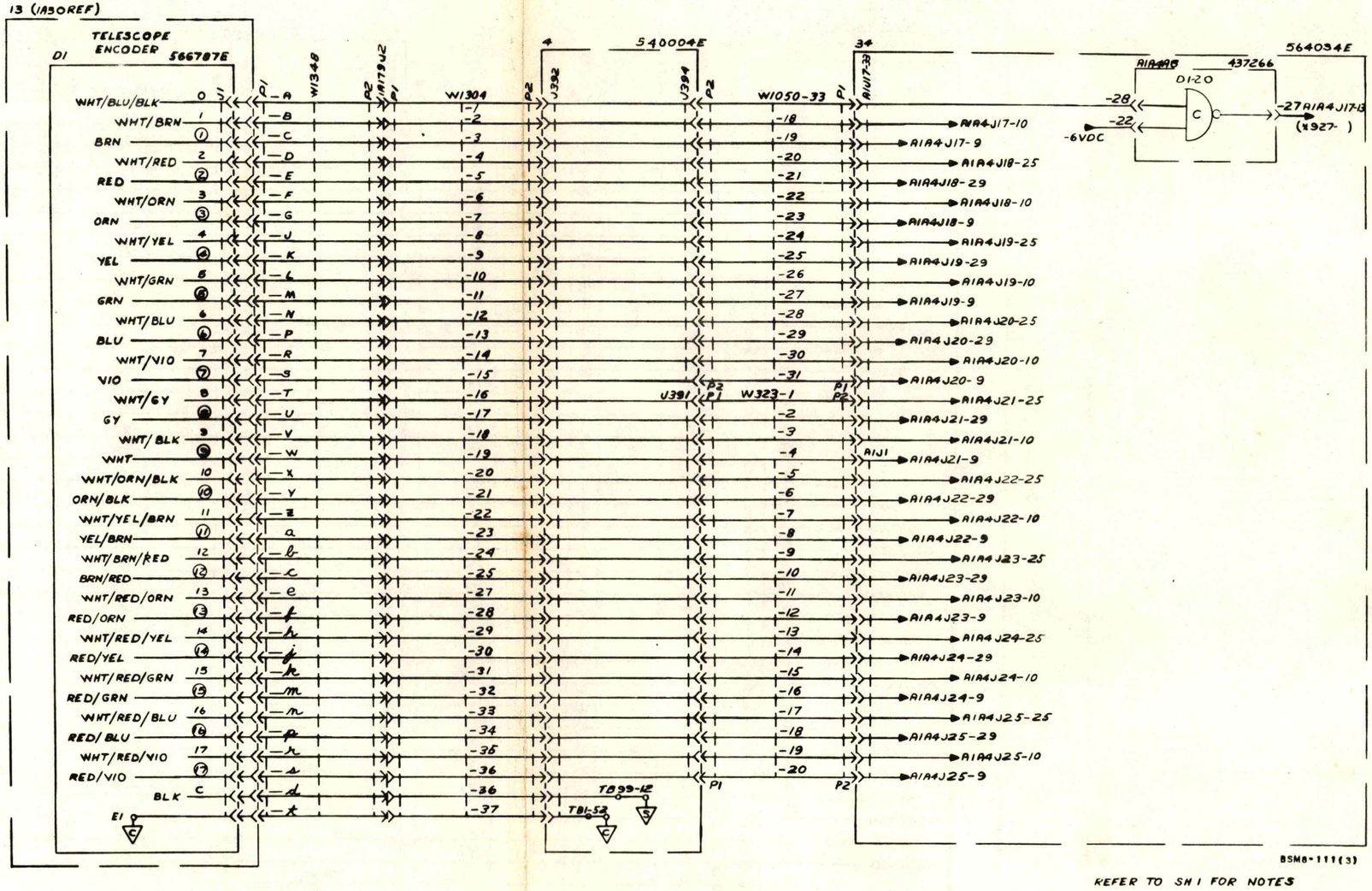


Figure 8-111. Shaft and Trunnion Logic Diagram (Sheet 3 of 8)

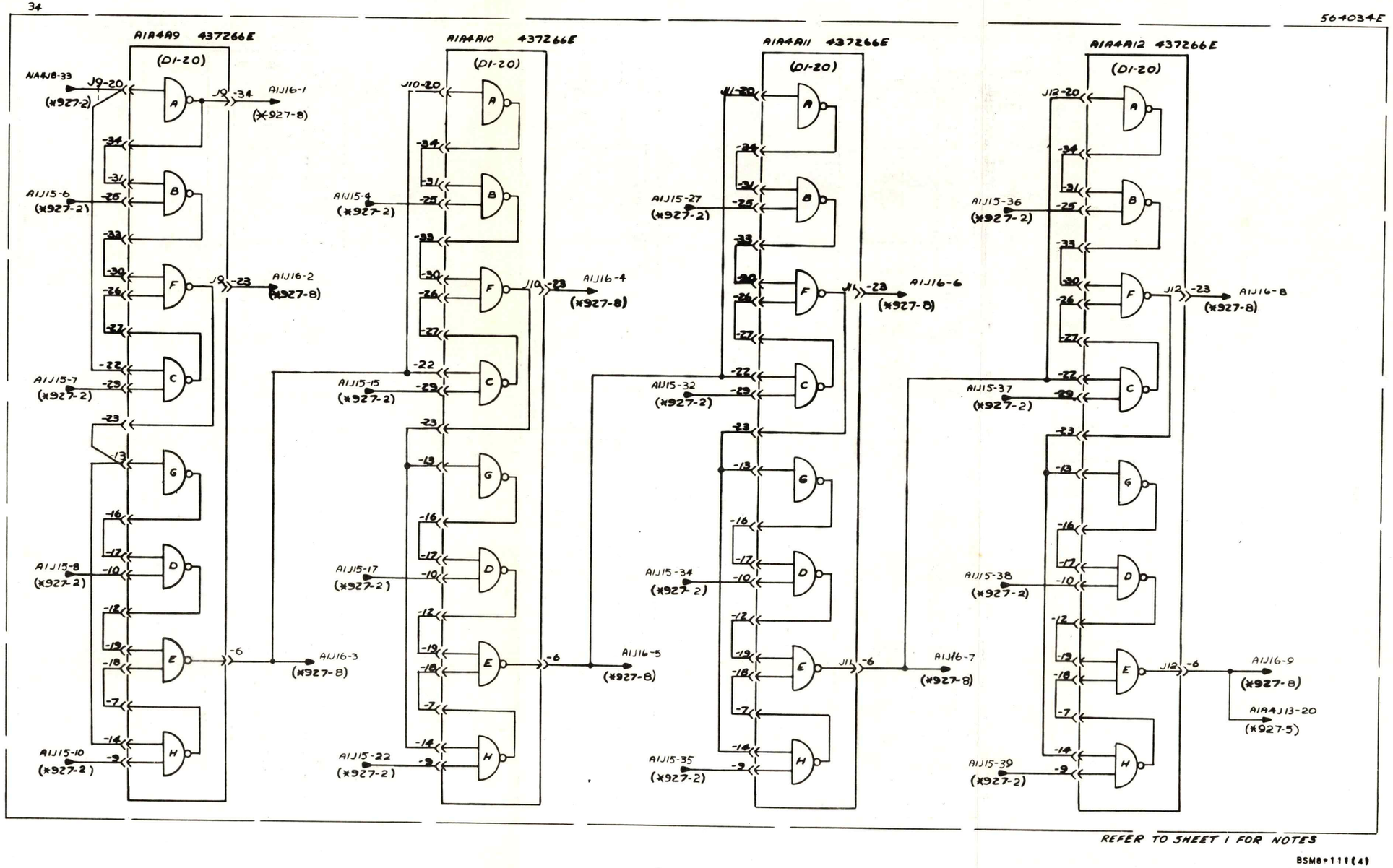


Figure 8-111. Shaft and Trunnion Logic Diagram (Sheet 4 of 8)

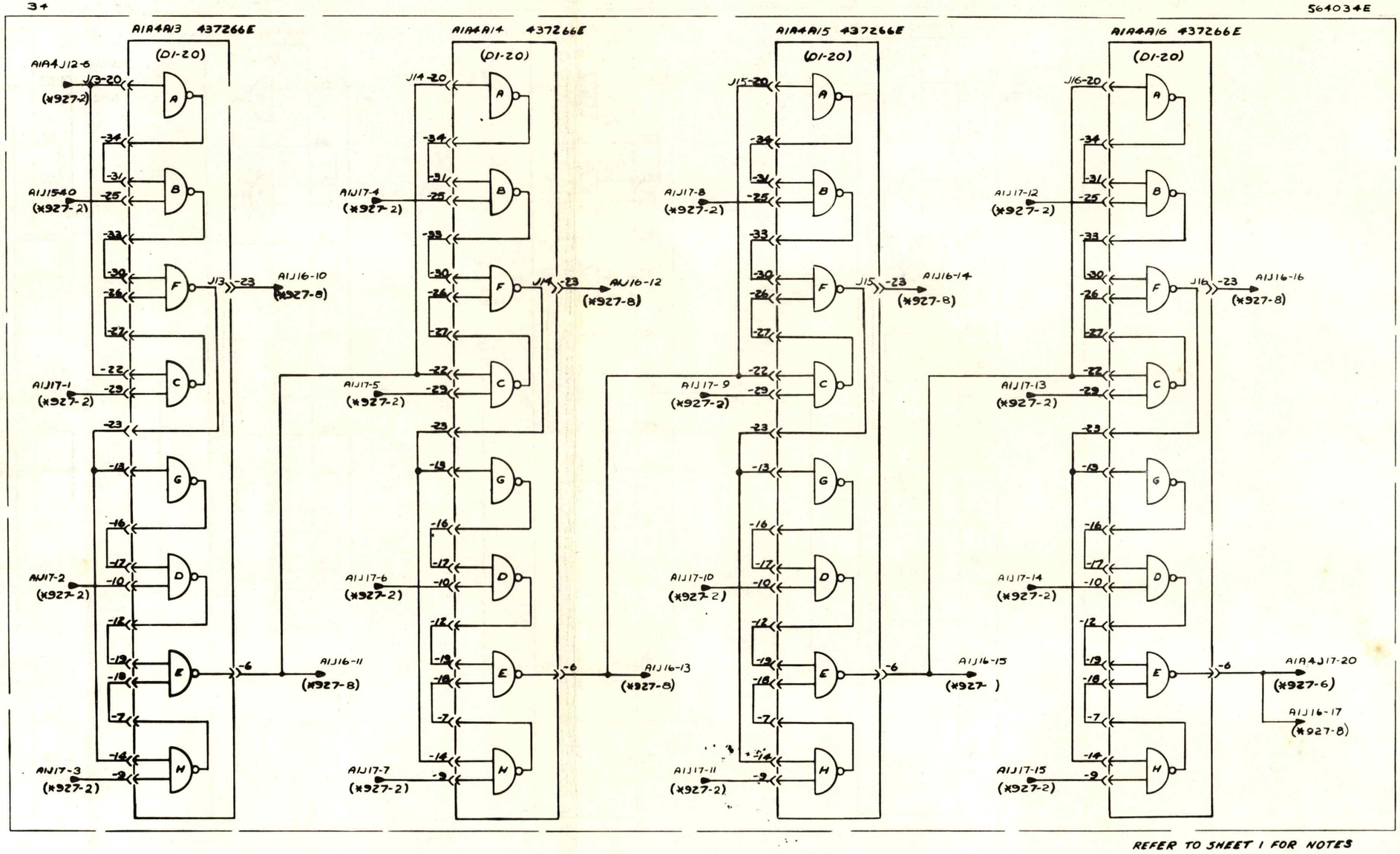


Figure 8-111. Shaft and Trunnion Logic Diagram (Sheet 5 of 8)

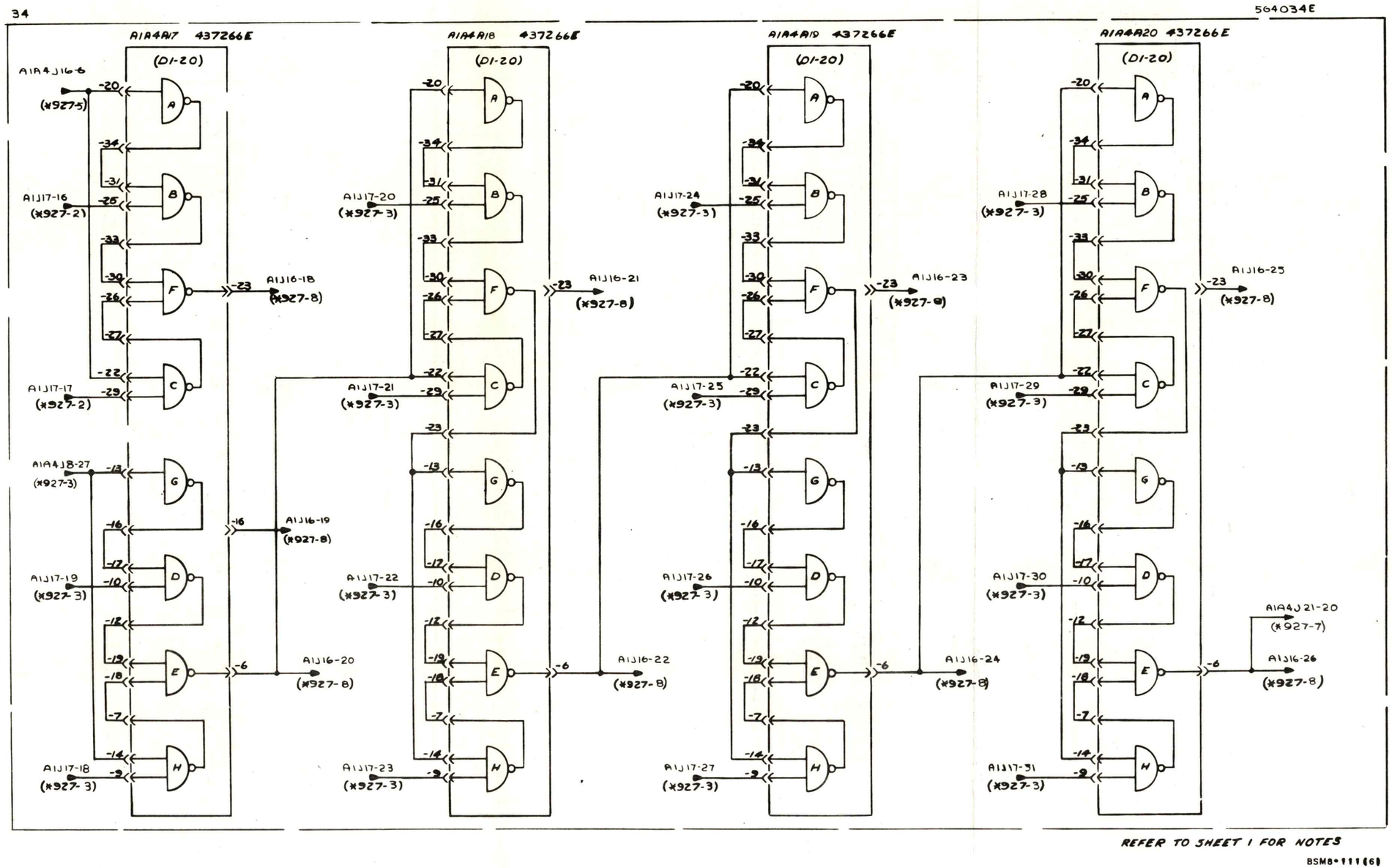


Figure 8-111. Shaft and Trunnion Logic Diagram (Sheet 6 of 8)

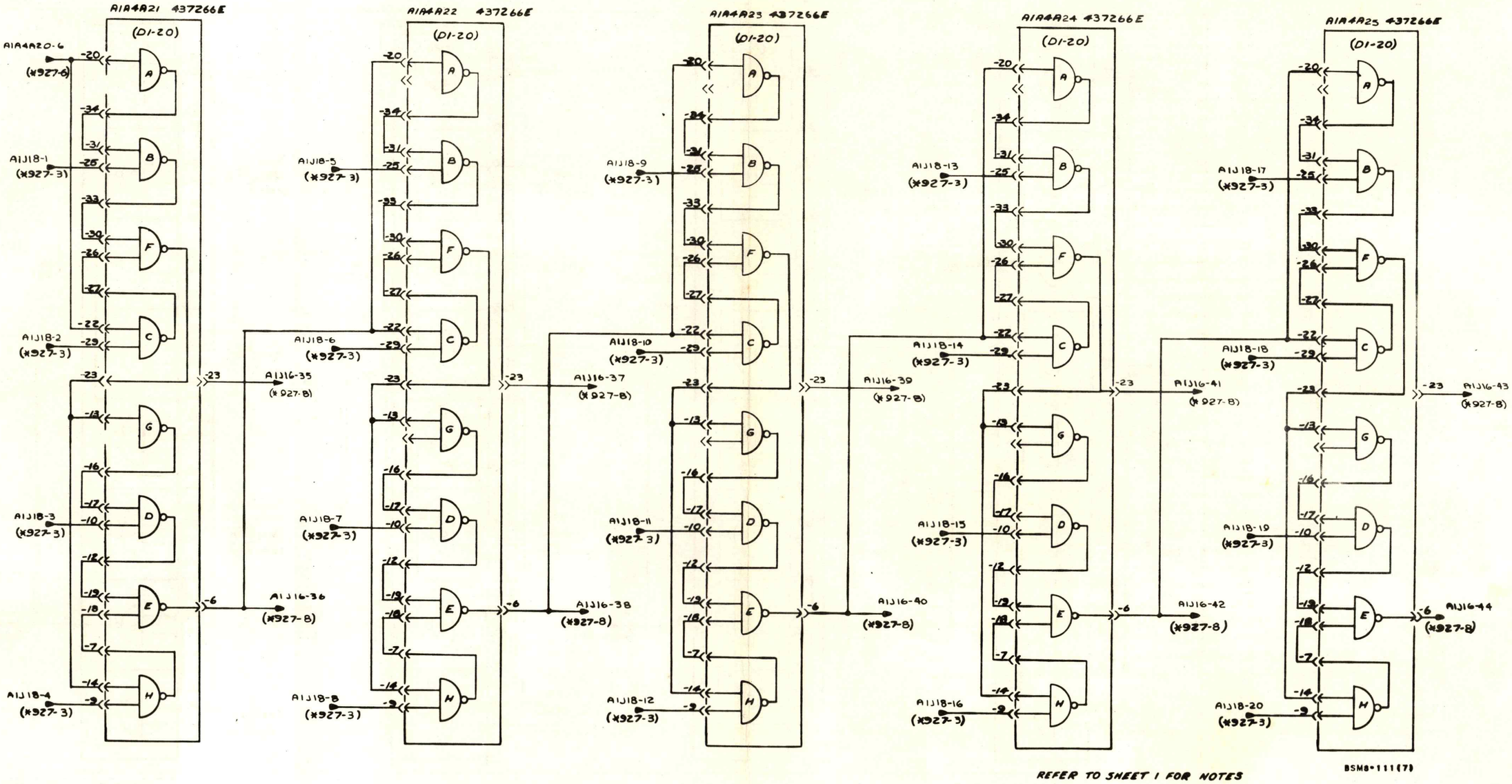


Figure 8-111. Shaft and Trunnion Logic Diagram (Sheet 7 of 8)

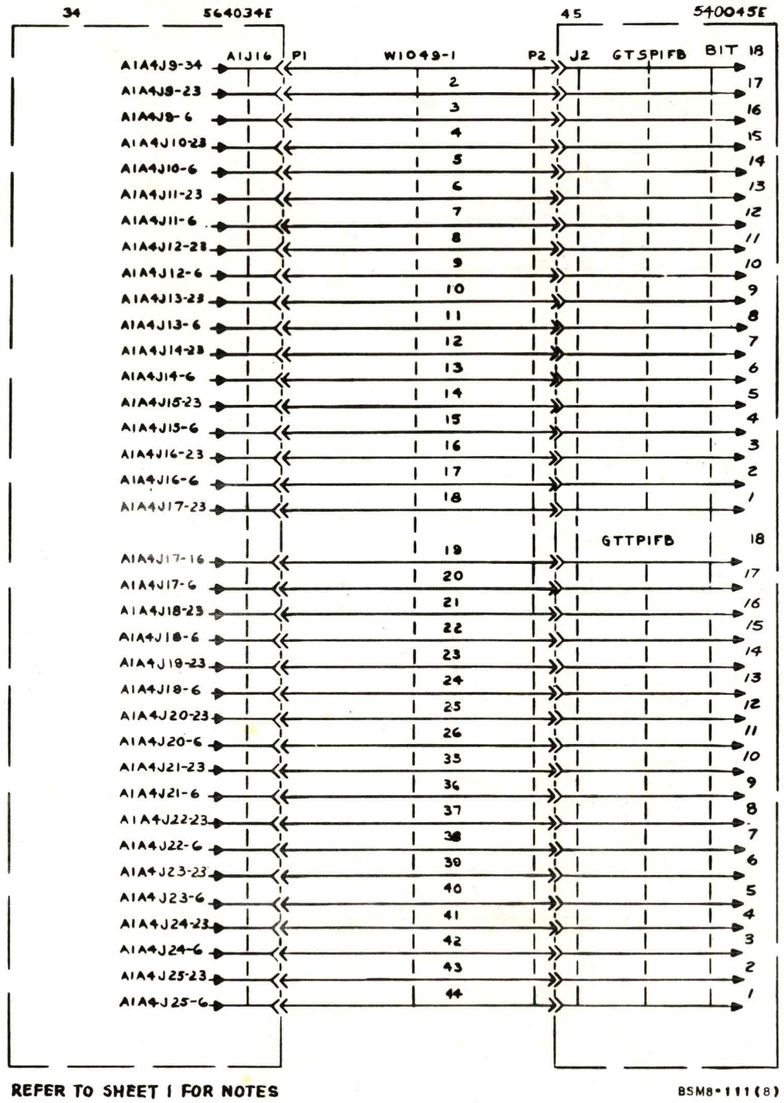
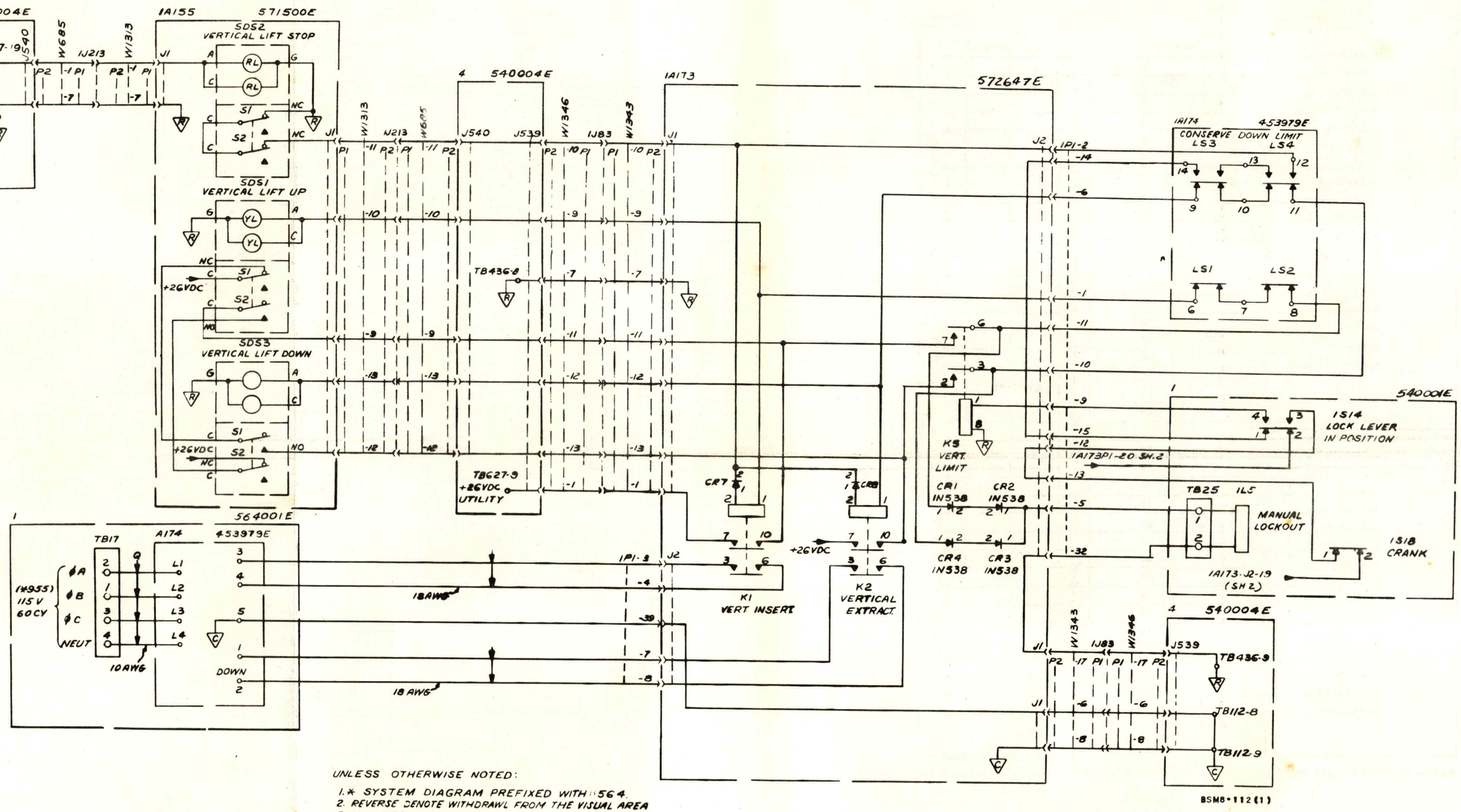


Figure 8-111. Shaft and Trunnion Logic Diagram (Sheet 8 of 8)



UNLESS OTHERWISE NOTED:

1. * SYSTEM DIAGRAM PREFIXED WITH 564.
2. REVERSE DENOTE WITHDRAWL FROM THE VISUAL AREA
3. ALL RESISTANCE IN OHMS.
4. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATIONS WITH UNIT NO. OR ASSY. DESIGNATION OR BOTH,
5. DIODES IN538, 256090
6. (C) CHASSIS RETURN

(R) RELAY RETURN

BSM8-112(1)

ENG. DWG. NO.	HDBK. FIG. NO.
564928	8-112

Figure 8-112. Vertical and Horizontal C/M Drive (Sheet 1 of 3)

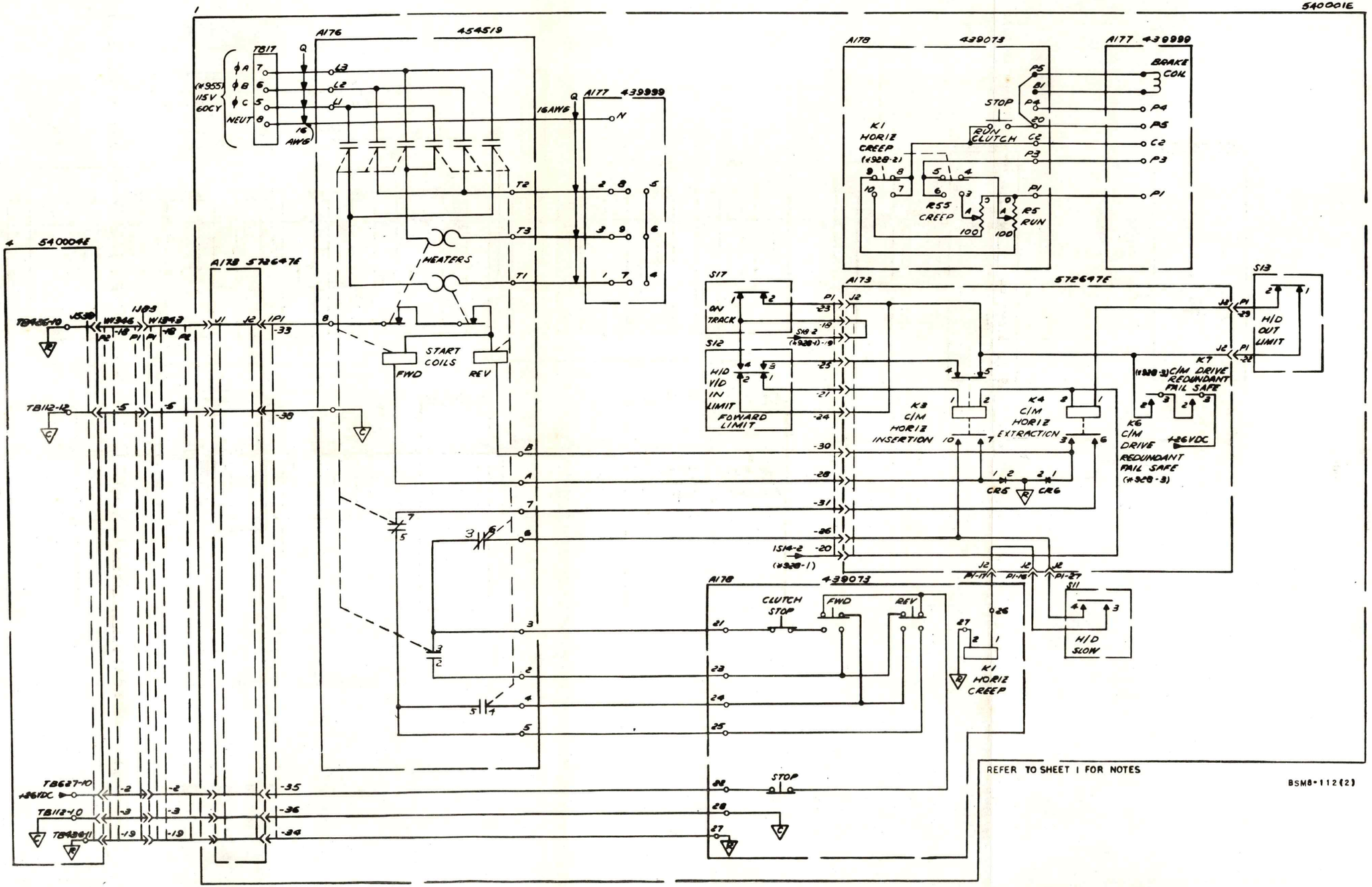
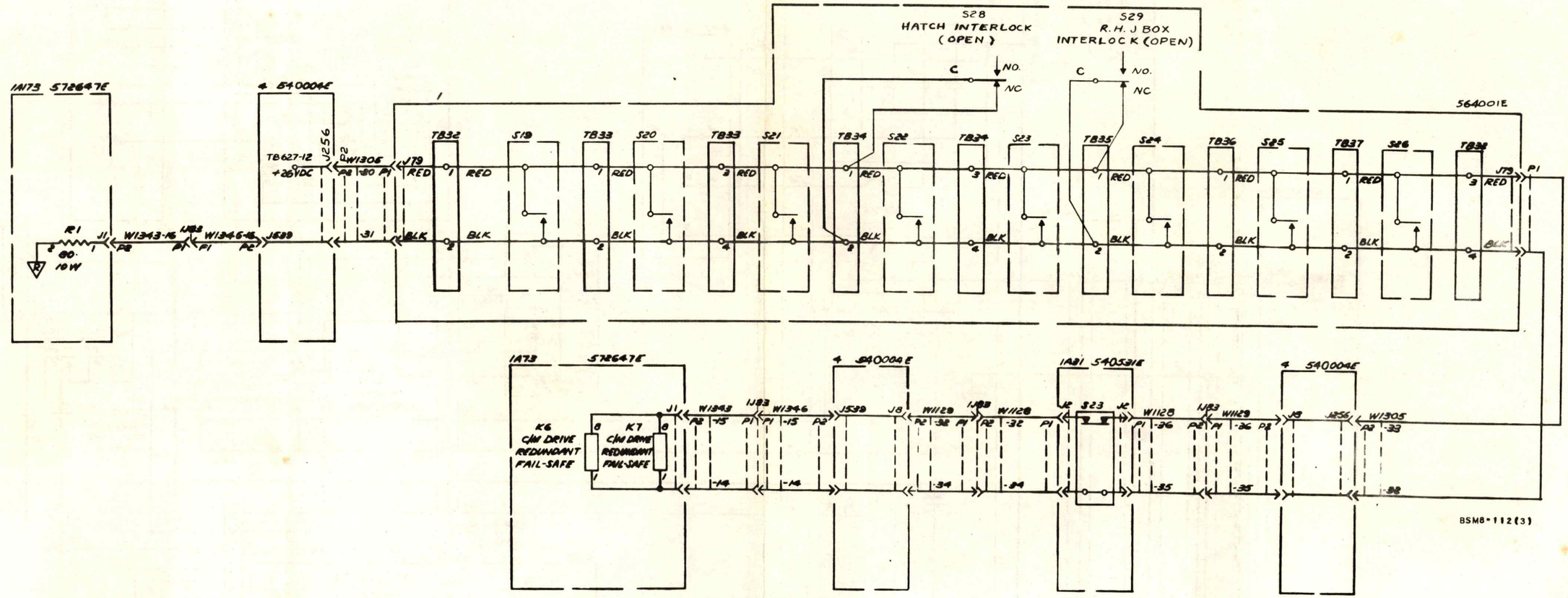
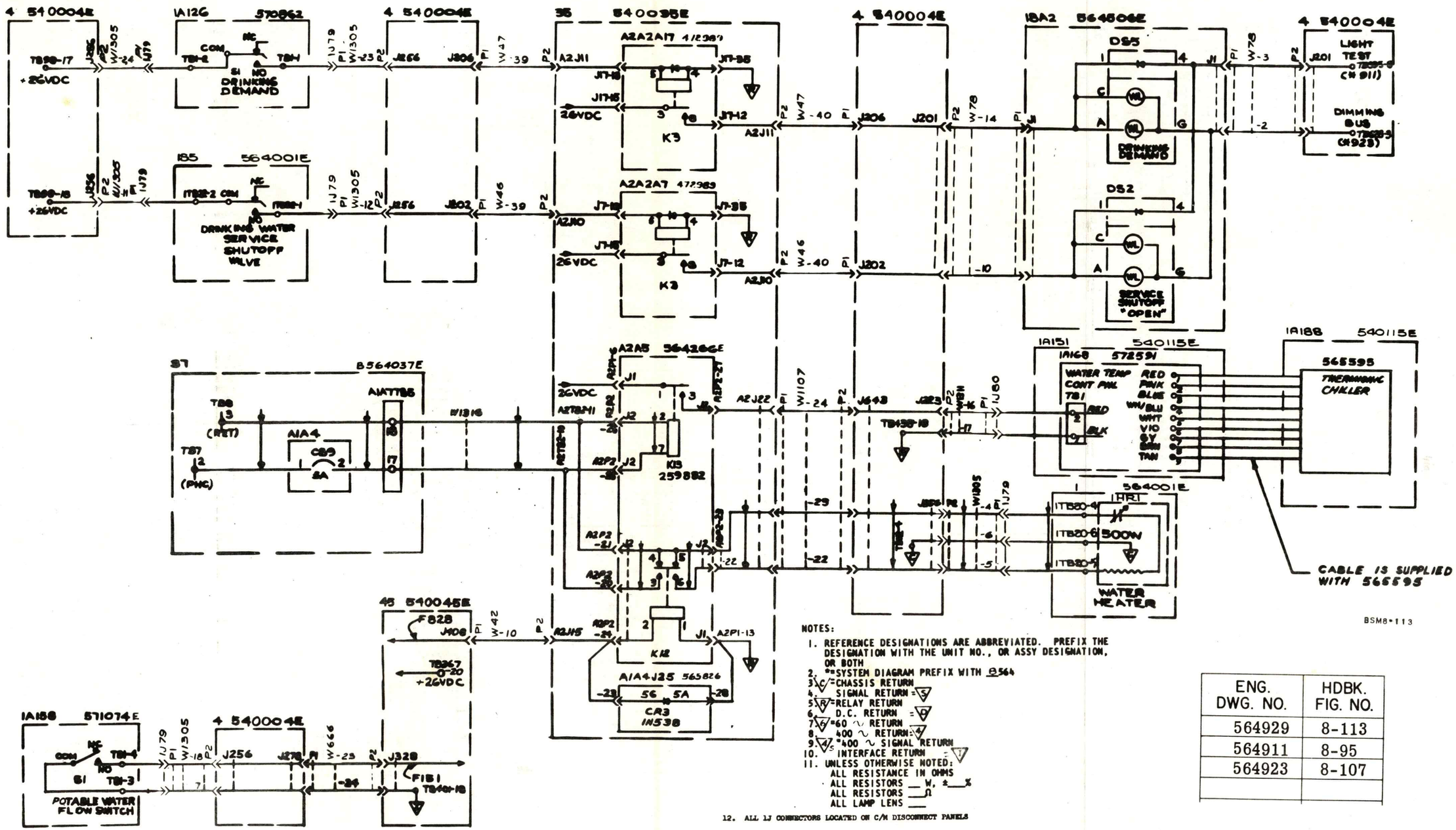


Figure 8-112. Vertical and Horizontal C/M Drive (Sheet 2 of 3)



REFER TO SHEET 1 FOR NOTES

Figure 8-112. Vertical and Horizontal C/M Drive (Sheet 3 of 3)



BSM8*113

NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. **SYSTEM DIAGRAM PREFIX WITH B564
3. C = CHASSIS RETURN
4. S = SIGNAL RETURN
5. R = RELAY RETURN
6. D = D.C. RETURN
7. G = 60 ∿ RETURN
8. 4 = 400 ∿ RETURN
9. S = 400 ∿ SIGNAL RETURN
10. I = INTERFACE RETURN
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS __ W, ±__%
    ALL RESISTORS __Ω
    ALL LAMP LENS __
12. ALL 1J CONNECTORS LOCATED ON C/M DISCONNECT PANELS

ENG. DWG. NO.	HDBK. FIG. NO.
564929	8-113
564911	8-95
564923	8-107

Figure 8-113. Water System

ENG. DWG. NO.	HDBK. FIG. NO.
564930	8-114
564912	8-79
564952	8-133

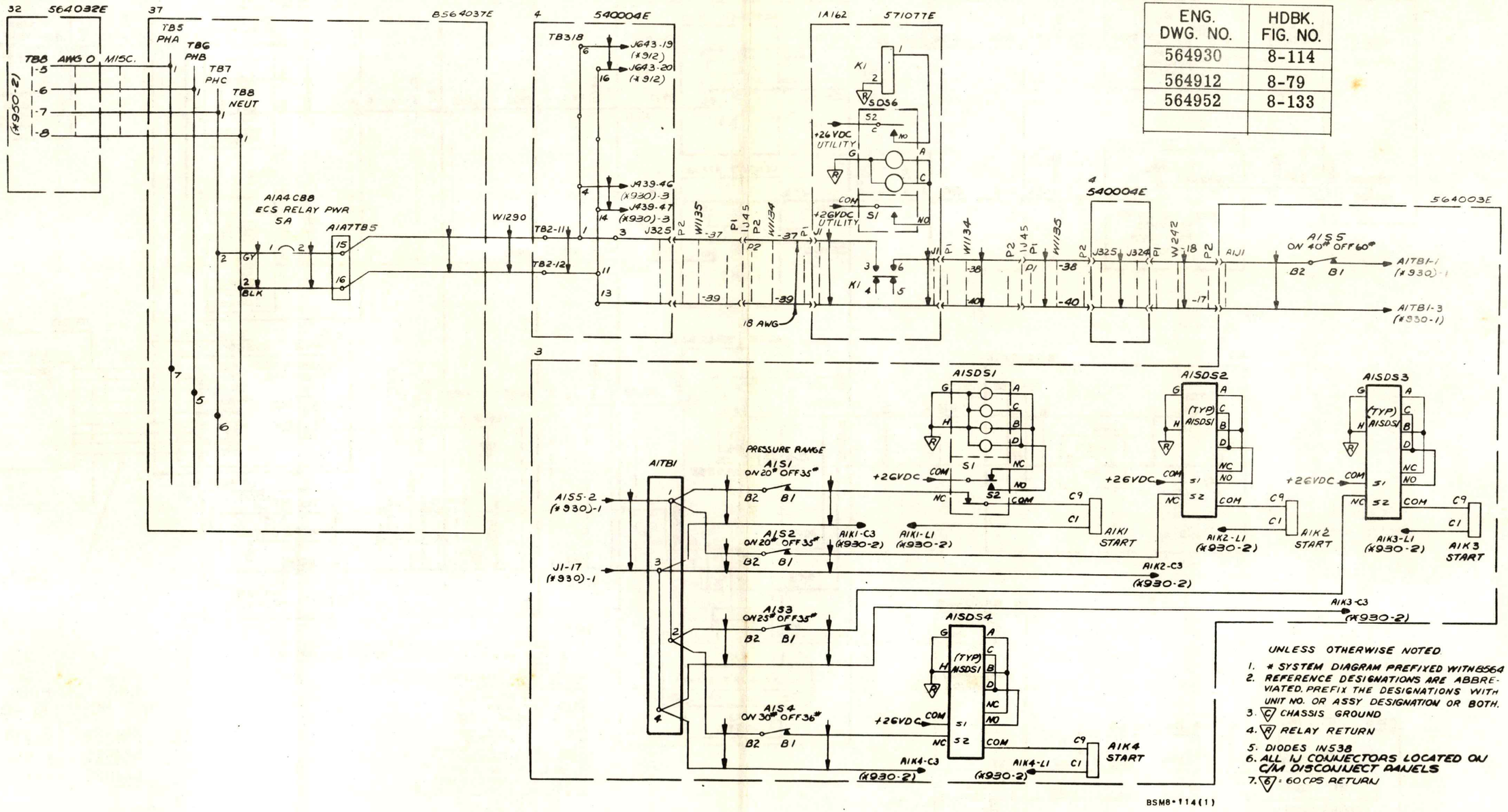
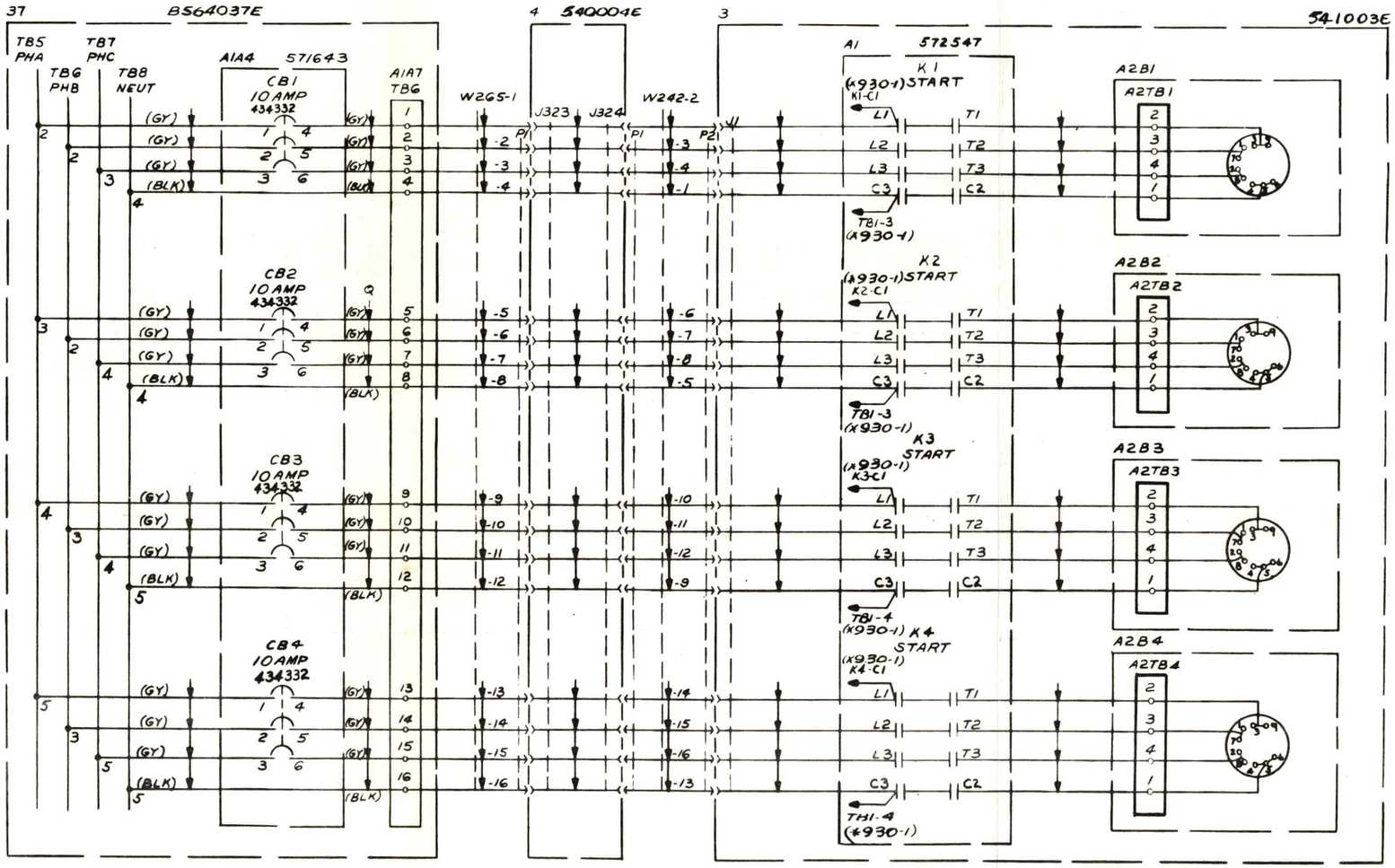
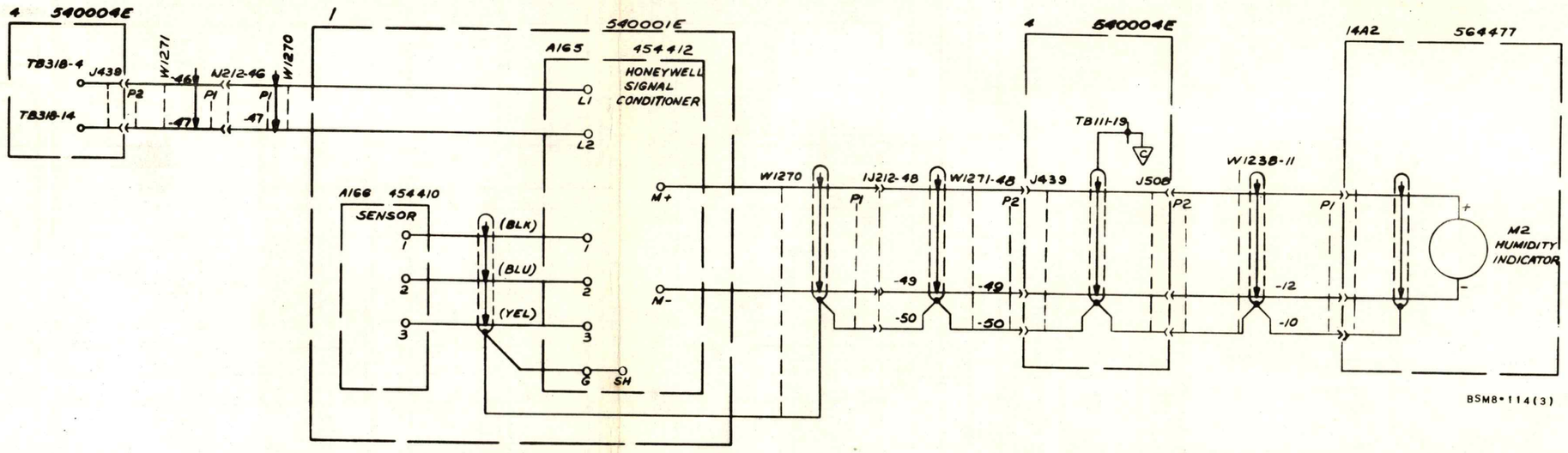


Figure 8-114. Suit Pressure (Sheet 1 of 4)



REFER TO SHEET 1 FOR NOTES

Figure 8-114. Suit Pressure (Sheet 2 of 4)



REFER TO SHEET 1 FOR NOTES

Figure 8-114. Suit Pressure (Sheet 3 of 4)

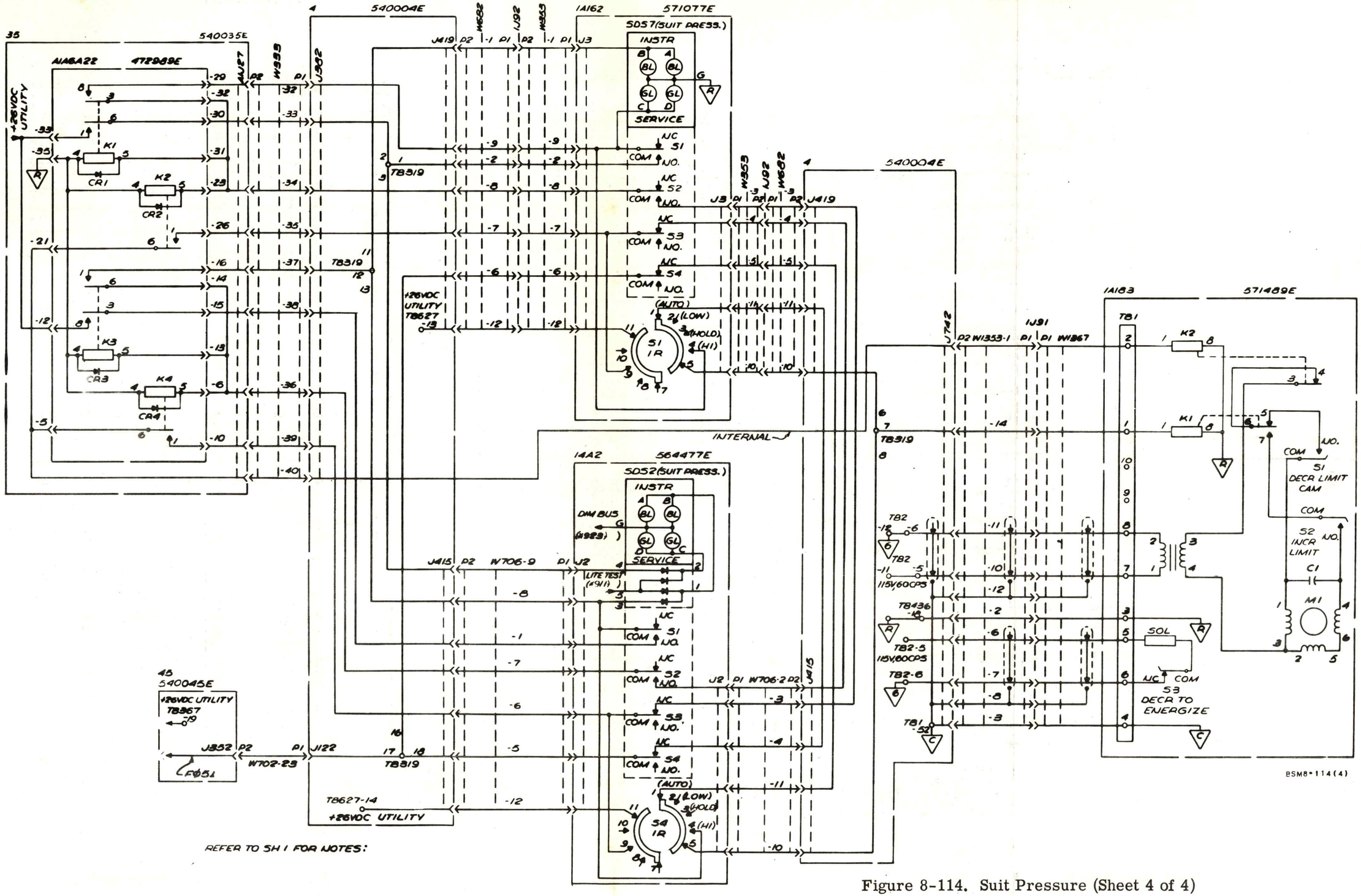
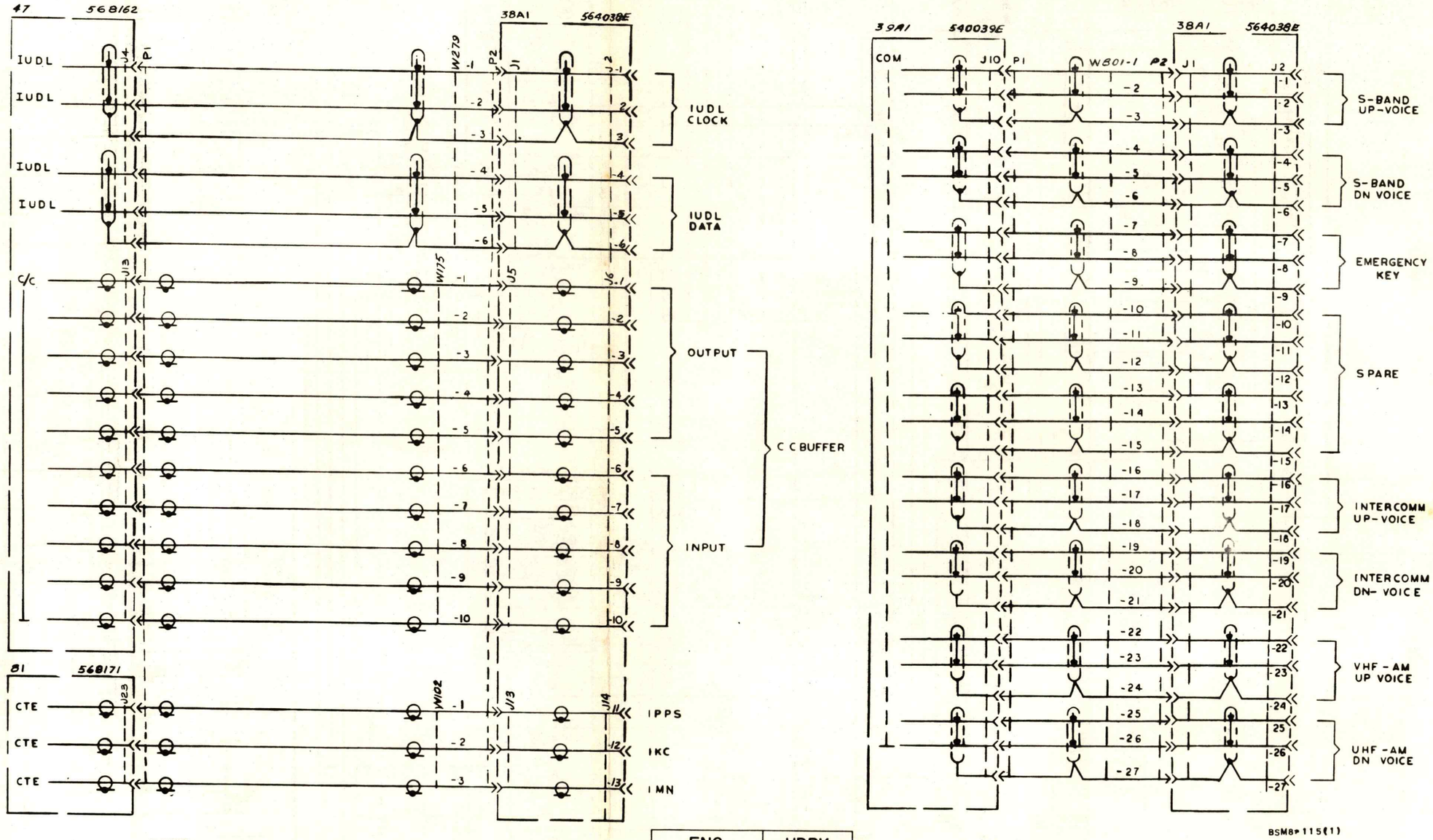


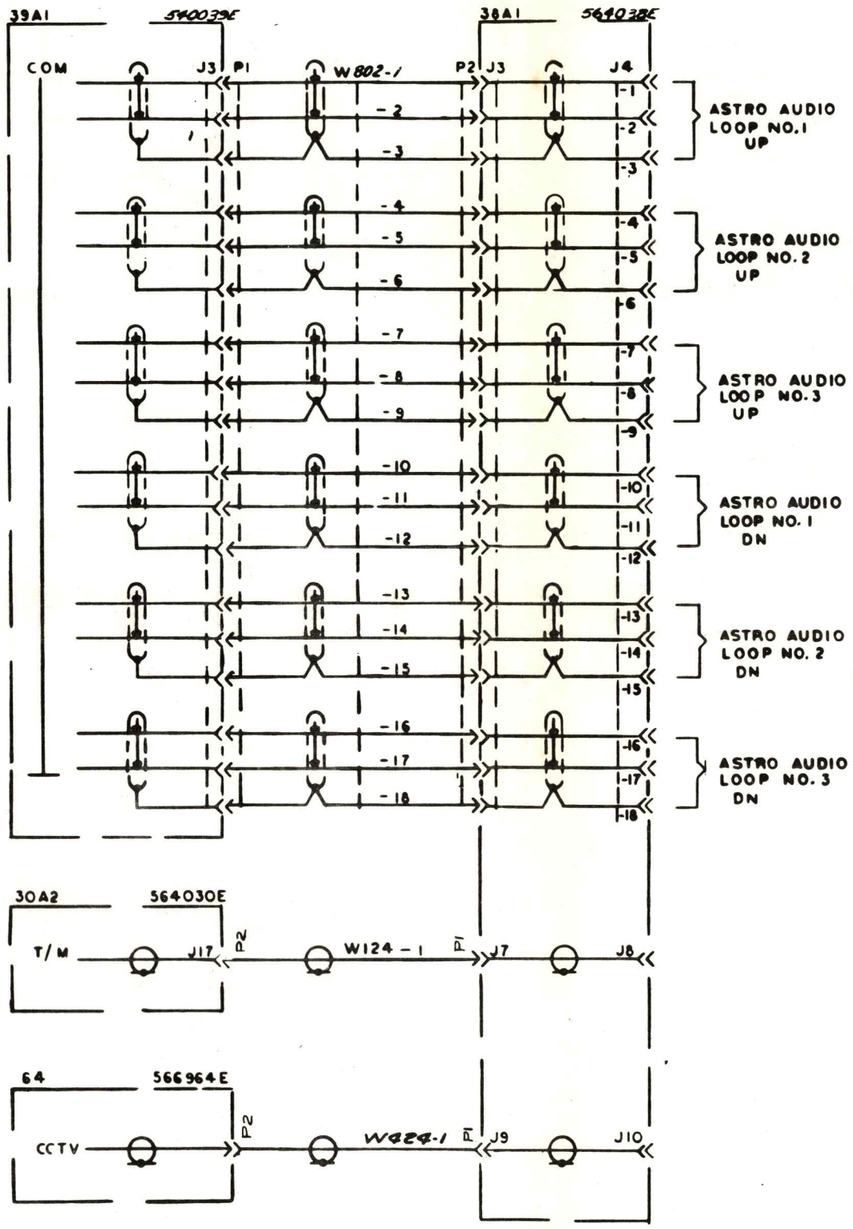
Figure 8-114. Suit Pressure (Sheet 4 of 4)

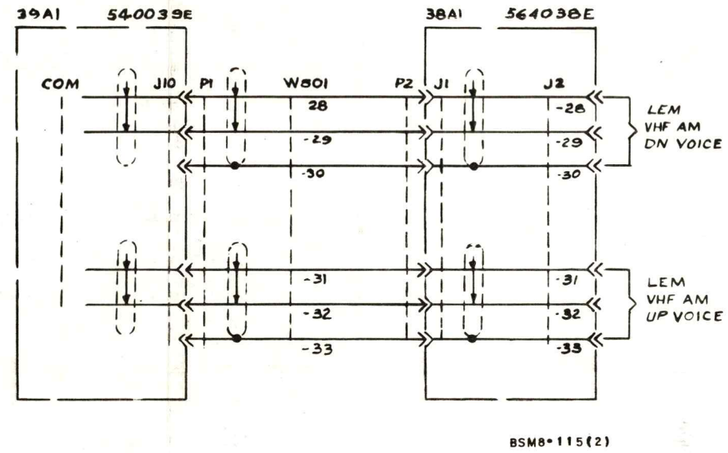


NOTES:
1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH UNIT NO., OR ASSY DESIGNATION, OR BOTH.
2. #- SYSTEM DIAGRAM PREFIX WITH # 564

ENG. DWG. NO.	HDBK. FIG. NO.
564931	8-115

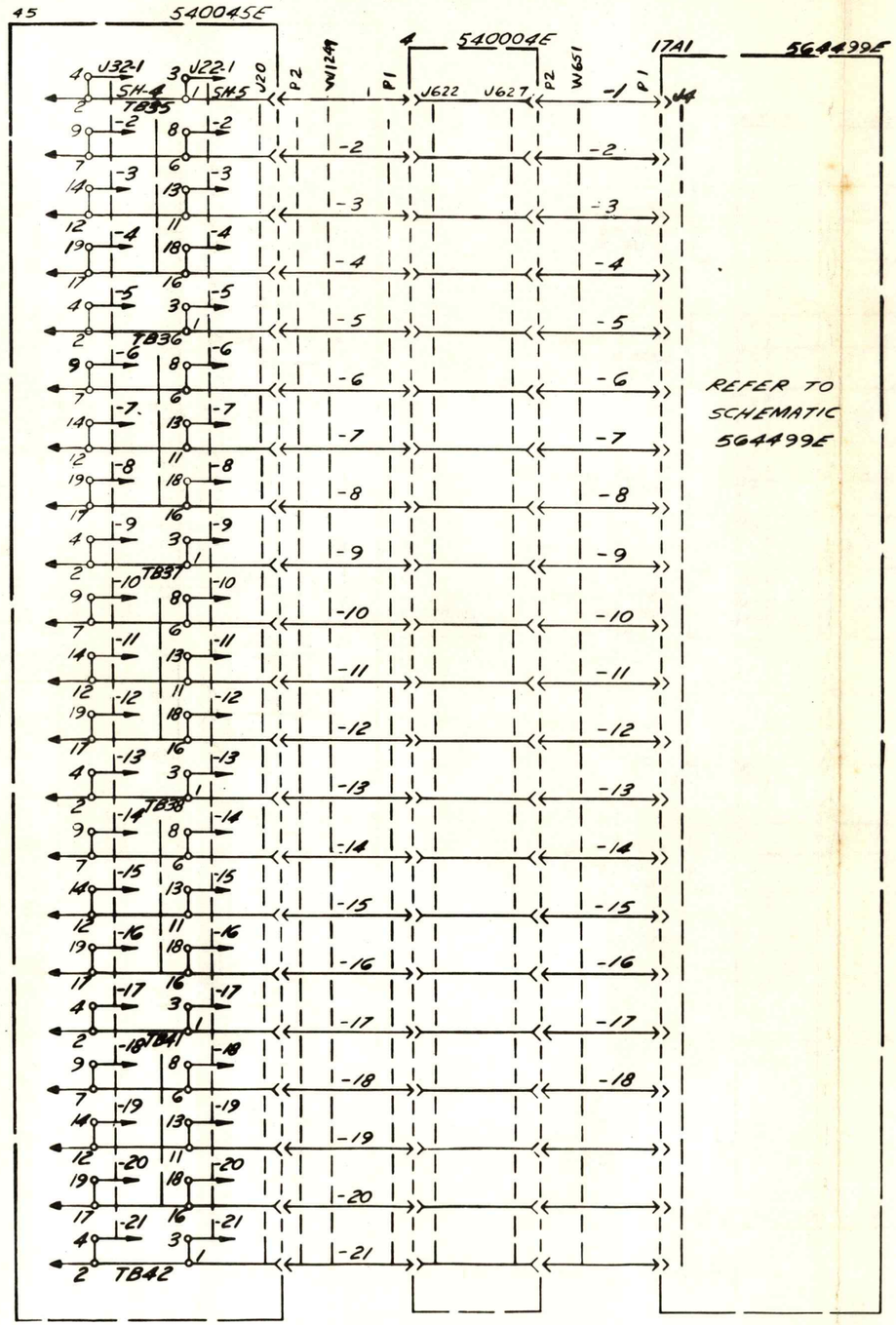
Figure 8-115. MSCC Cabling Diagram (Sheet 1 of 2)

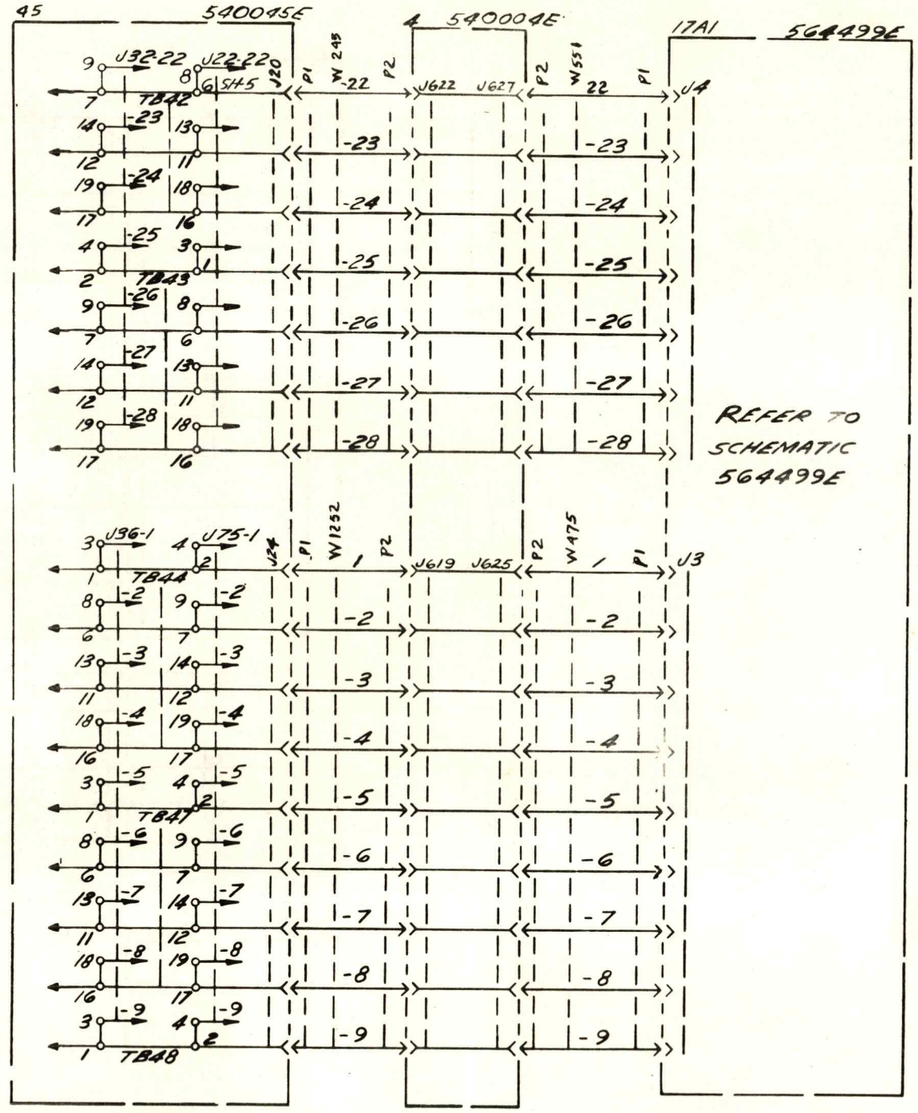




REFER TO SHEET 1 FOR NOTES

Figure 8-115. MSCC Cabling Diagram (Sheet 2 of 2)



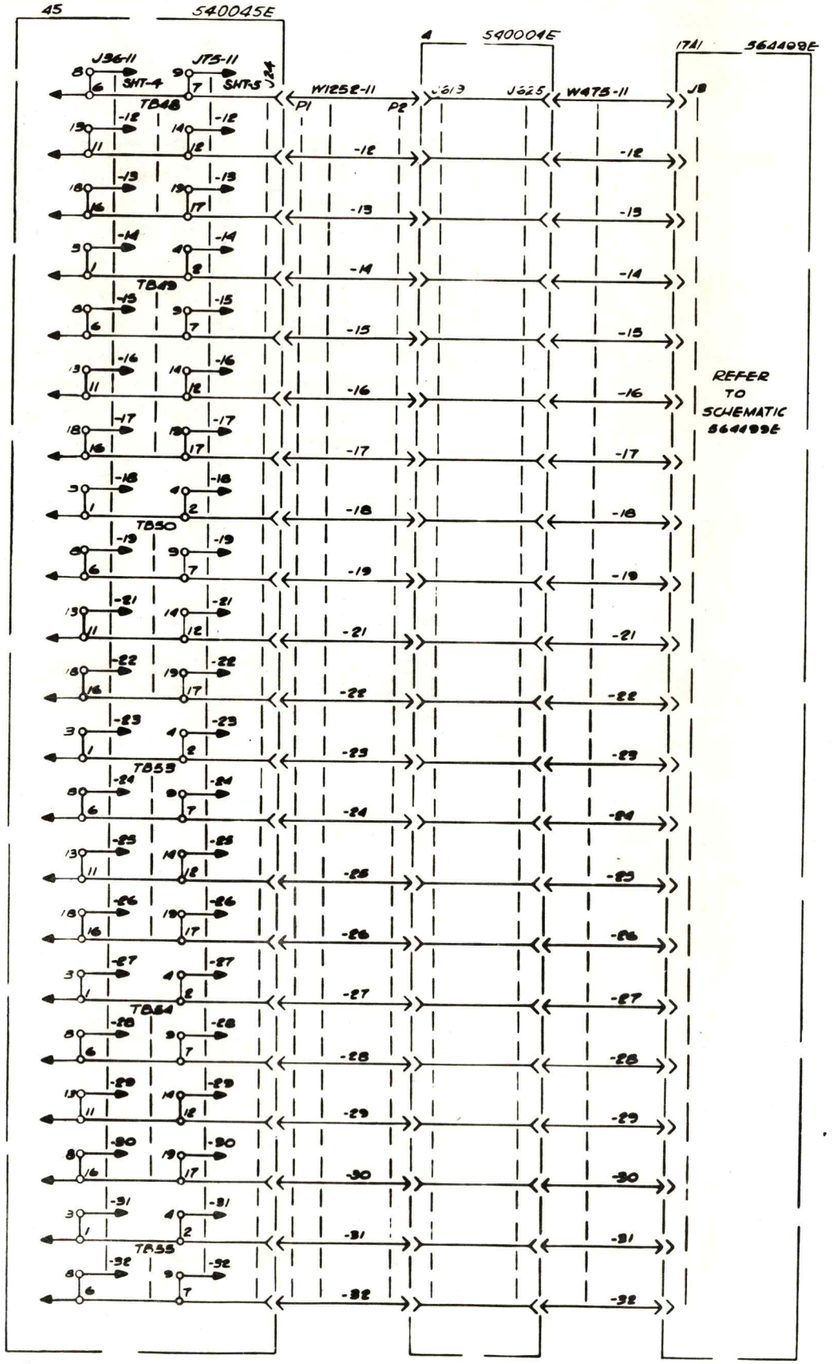


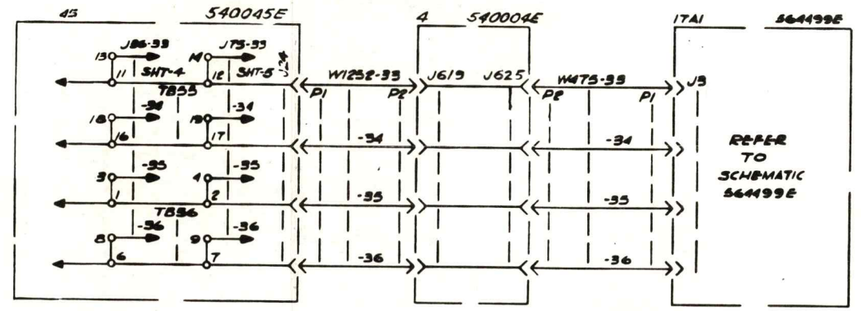
NOTES:
1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATIONS WITH THE UNIT NO., OR ASSY DESIGNATION OR BOTH.
2. * = SYSTEM DIAGRAM PREFIX WITH B564
3. ALL SHEET REFERENCE ON THIS SYSTEM IS REFERED TO SYSTEM B564932

ENG. DWG. NO.	HDBK. FIG. NO.
564932	8-116

BSM8-116(1)

Figure 8-116. MIU Status (Sheet 1 of 6)

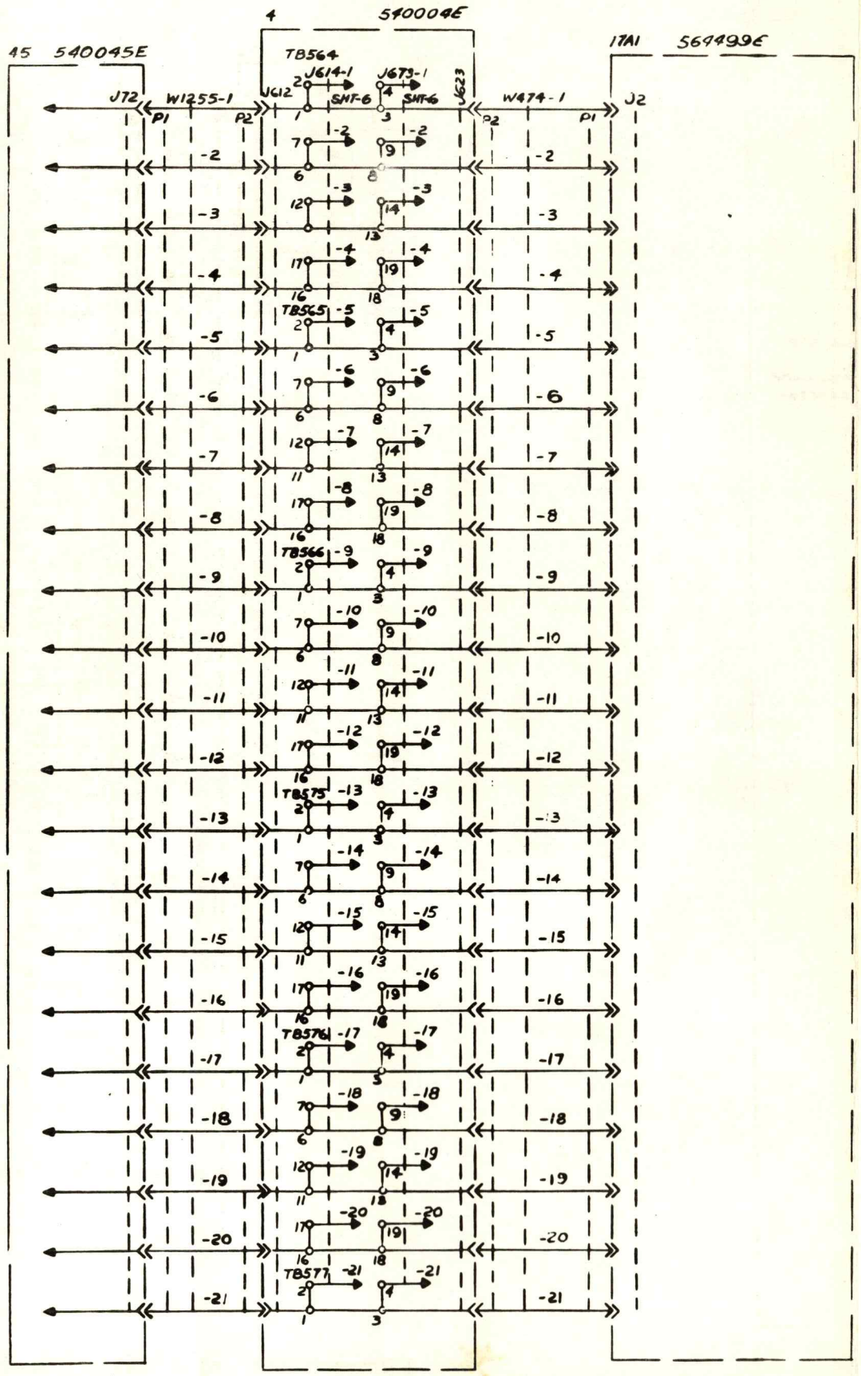


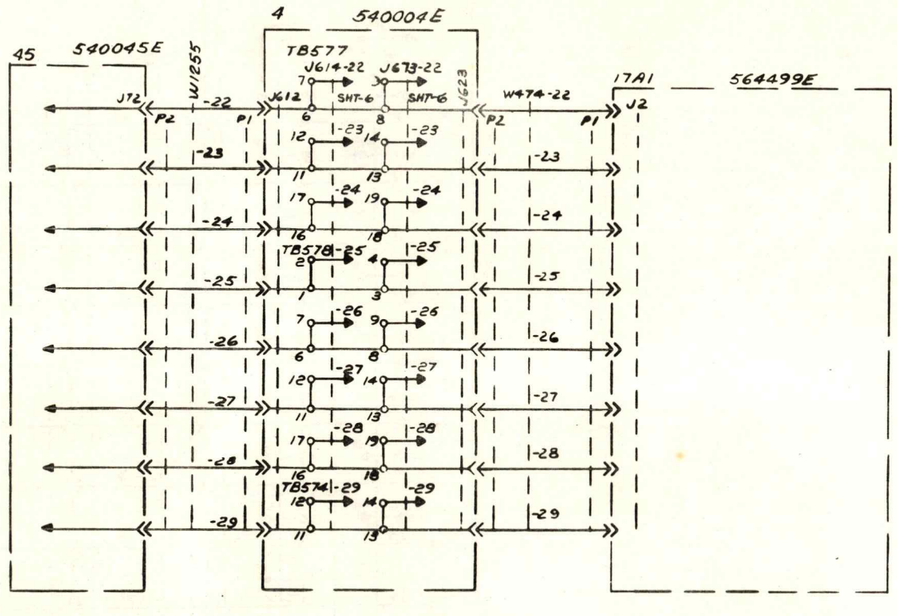


BSM8-116(2)

REFER TO SH 1 FOR NOTES

Figure 8-116. MIU Status (Sheet 2 of 6)

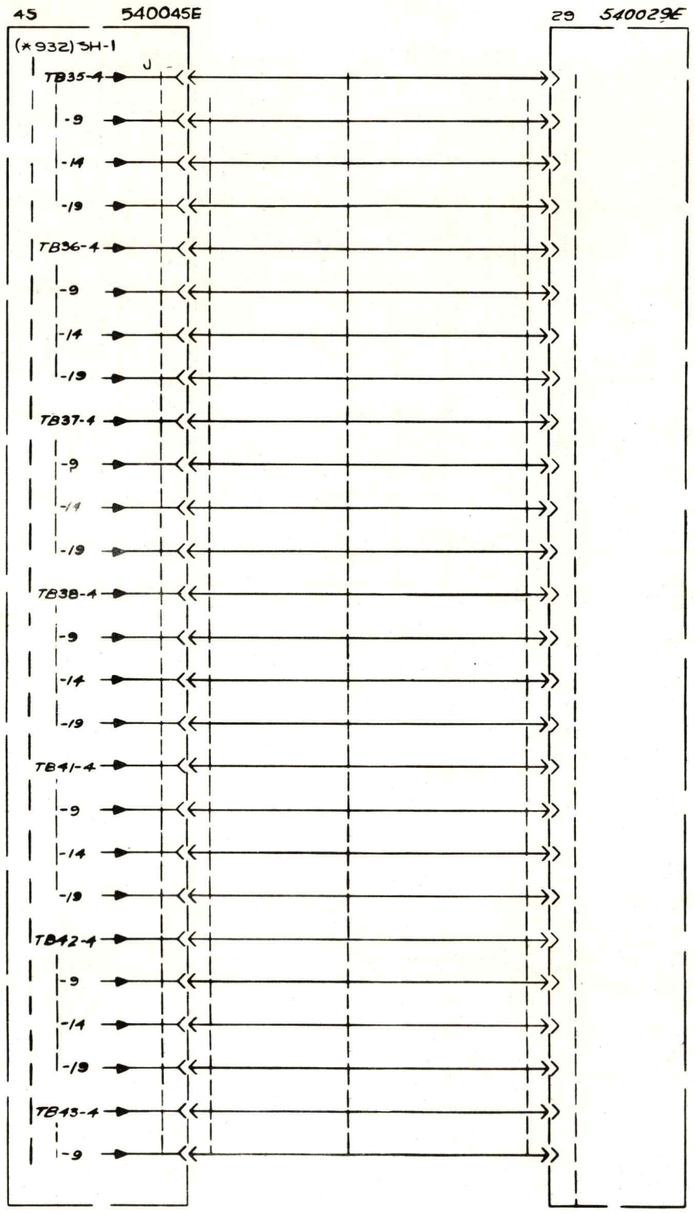


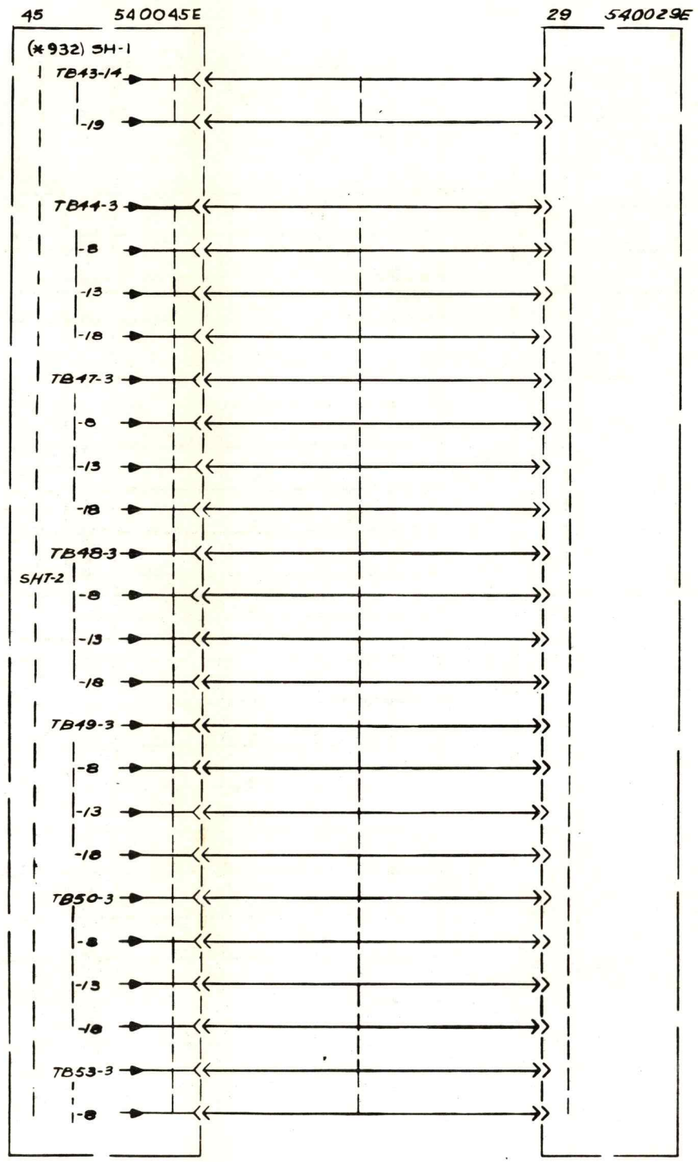


BSM8-116(3)

REFER TO SH 1 FOR NOTES

Figure 8-116. MIU Status (Sheet 3 of 6)





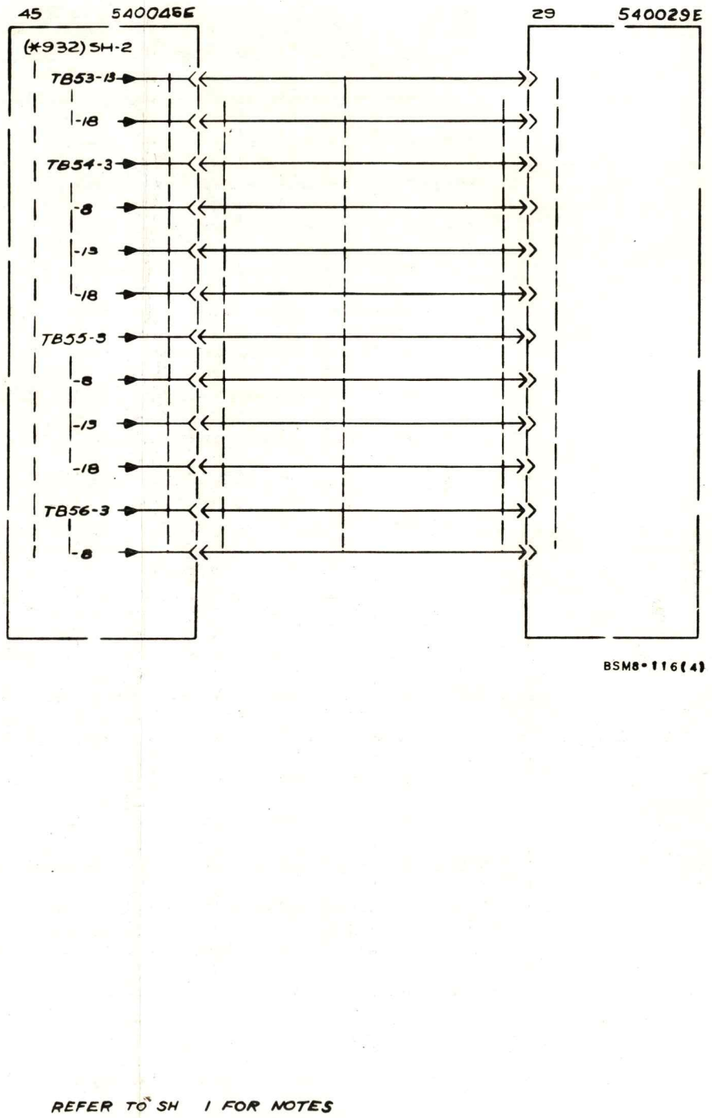


Figure 8-116. MIU Status (Sheet 4 of 6)

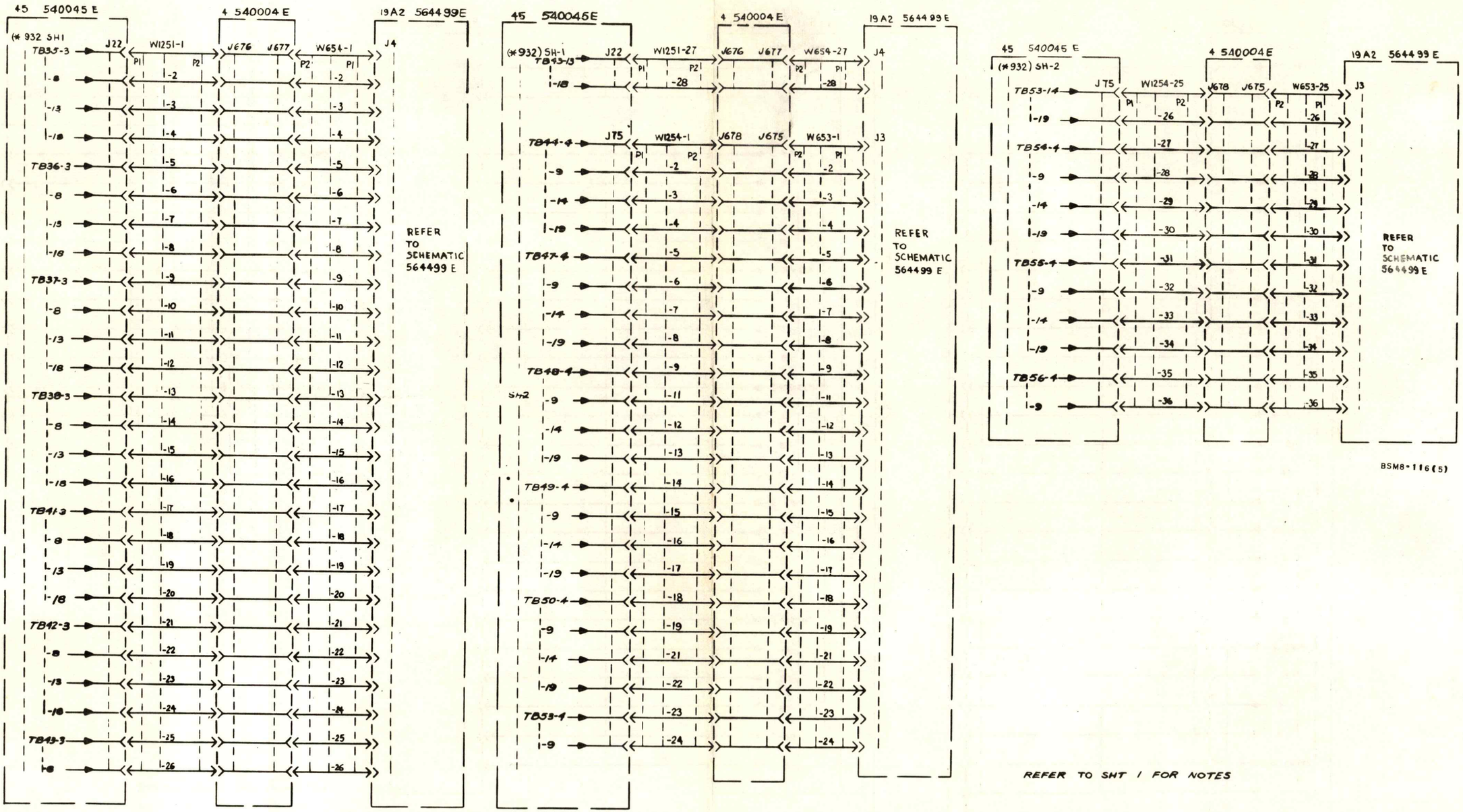
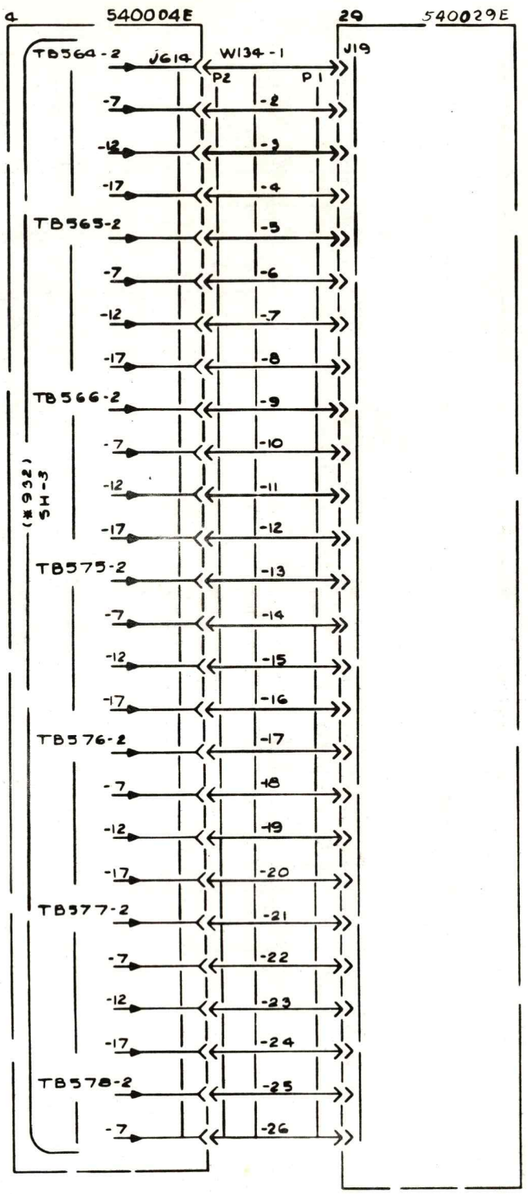
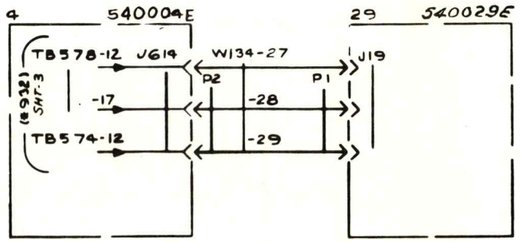
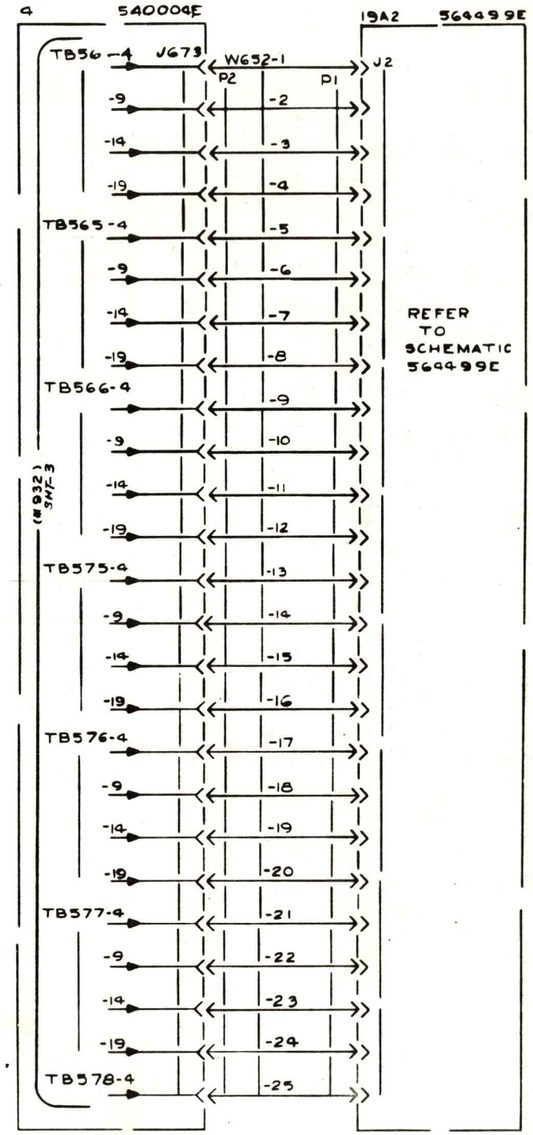
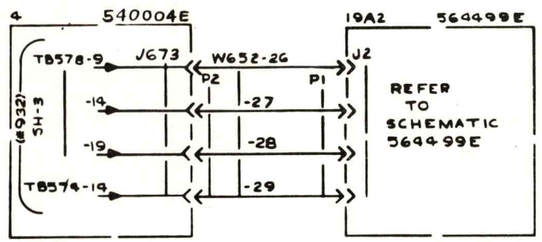


Figure 8-116. MIU Status (Sheet 5 of 6)





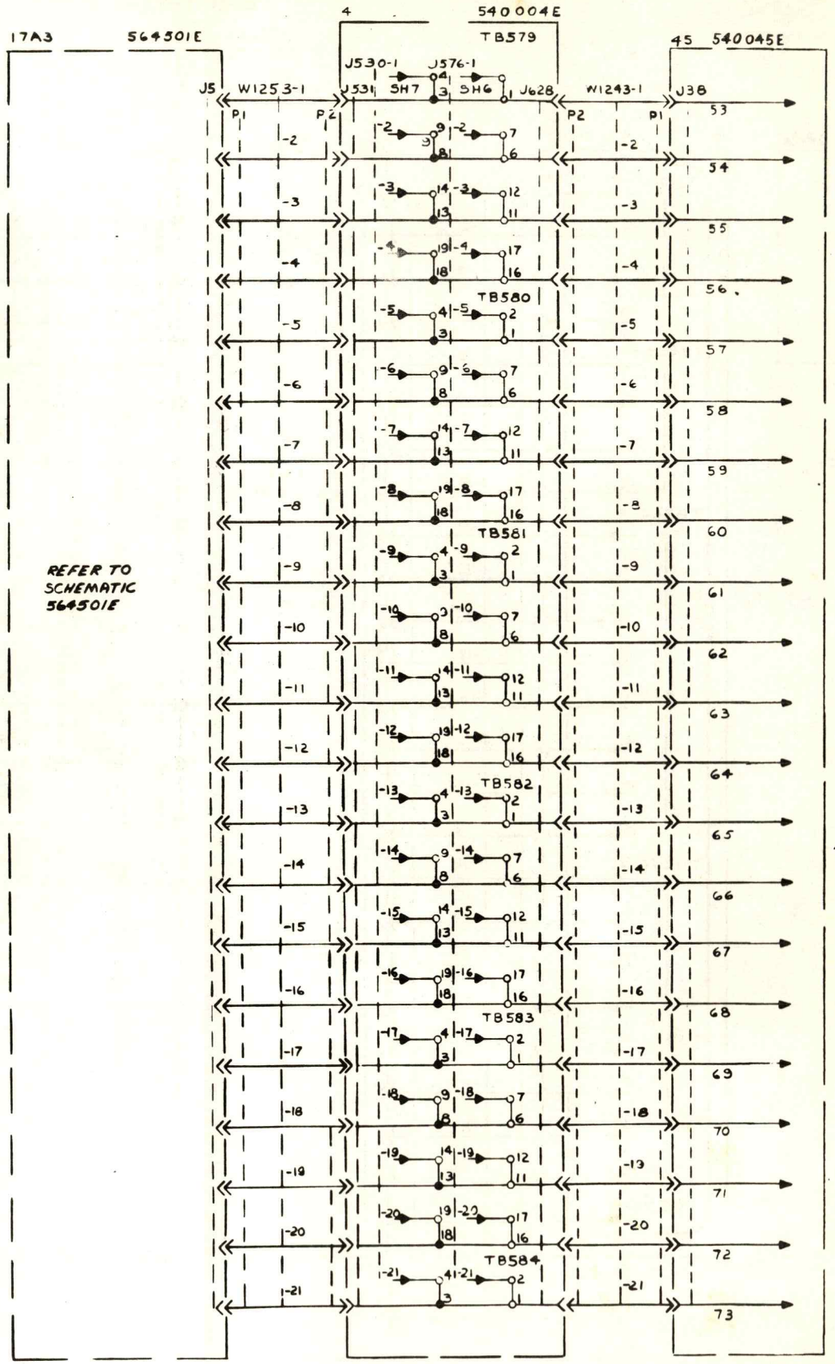


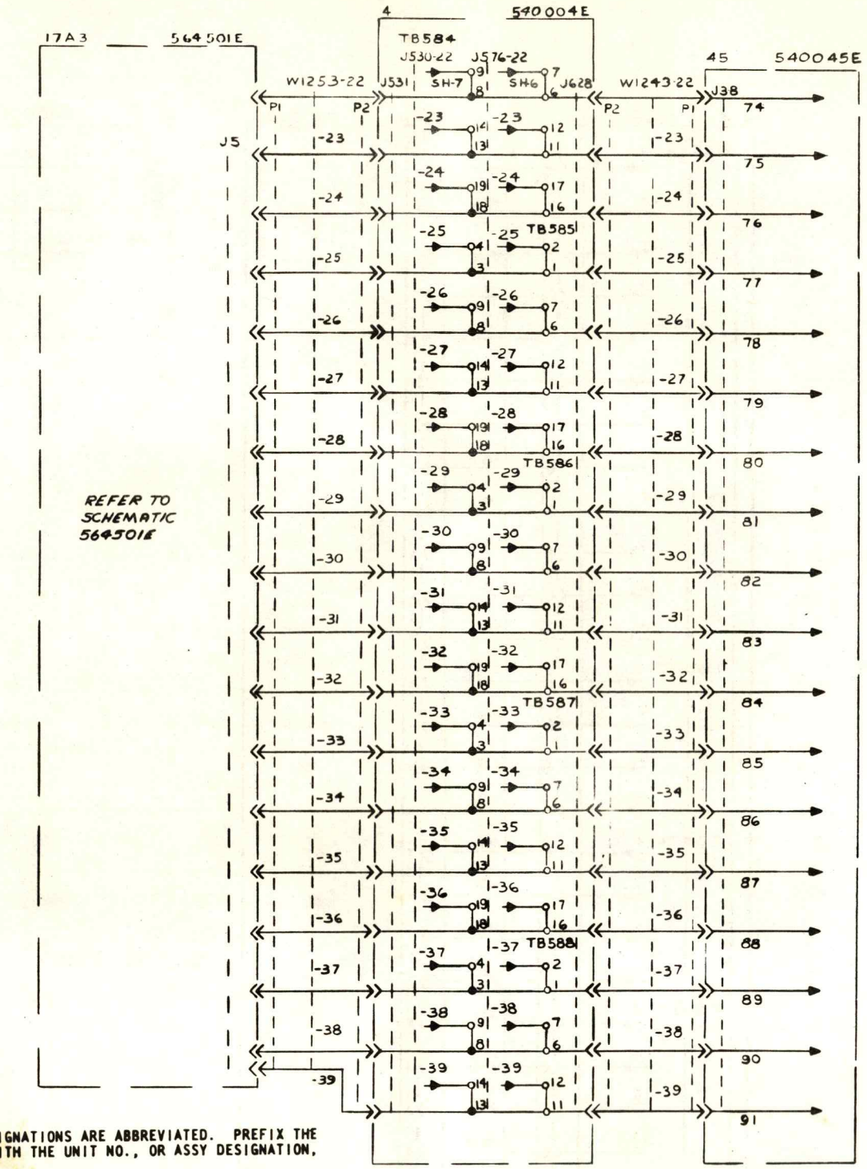


BSM8-116(6)

REFER TO SH 1 FOR NOTES

Figure 8-116. MIU Status (Sheet 6 of 6)





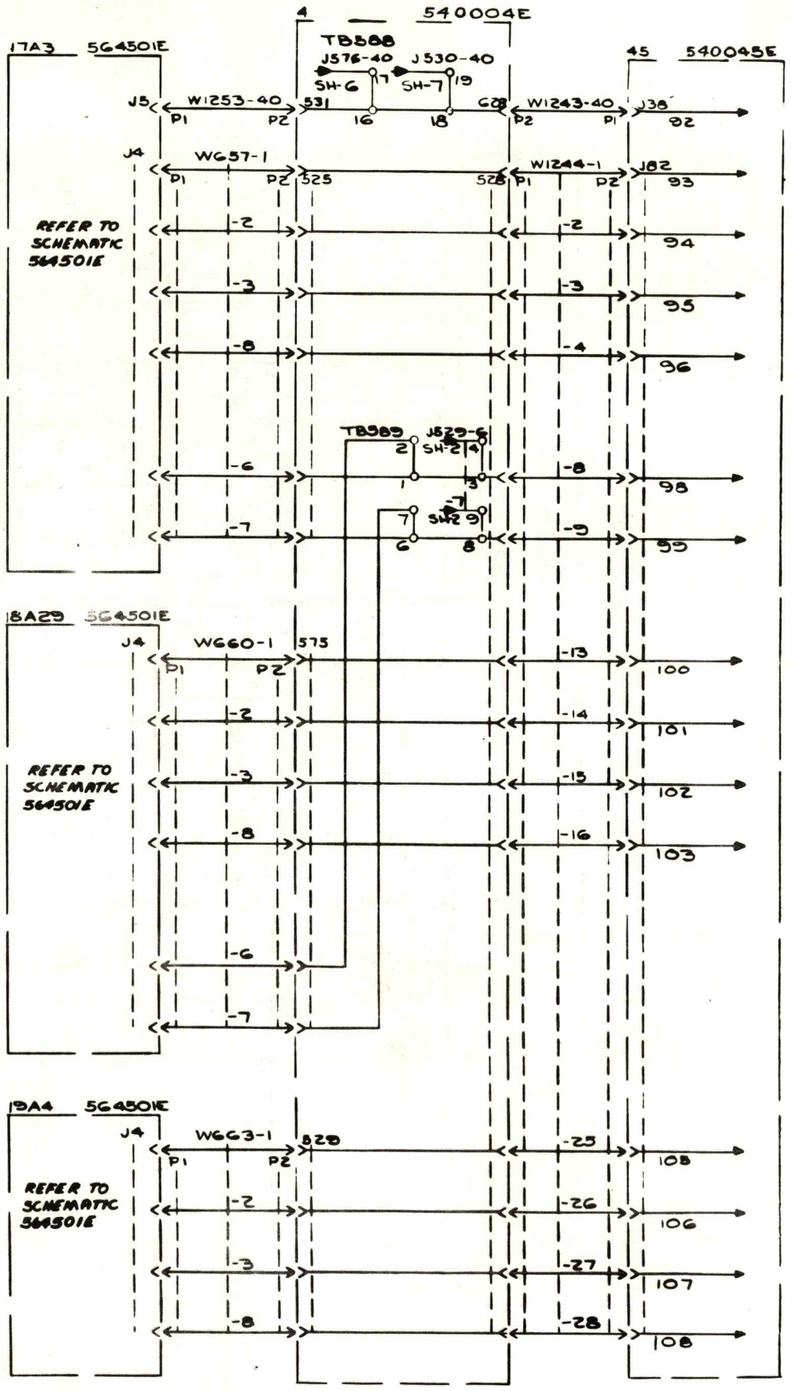
NOTES:

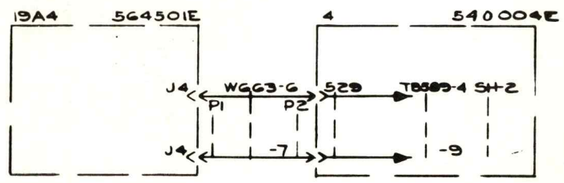
1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. **=SYSTEM DIAGRAM PREFIX WITH B564
3. CHASSIS RETURN=▽
4. ▽=SIGNAL RETURN
5. RELAY RETURN=▽
6. ▽=D.C. RETURN
7. 60 ∿ RETURN=▽
8. ▽=400 ∿ RETURN
9. 400 ∿ SIGNAL RETURN=▽S
10. ▽=INTERFACE RETURN
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS 1/2 W, ± 1 %
    ALL RESISTORS ___Ω
    ALL LAMP LENS WHT

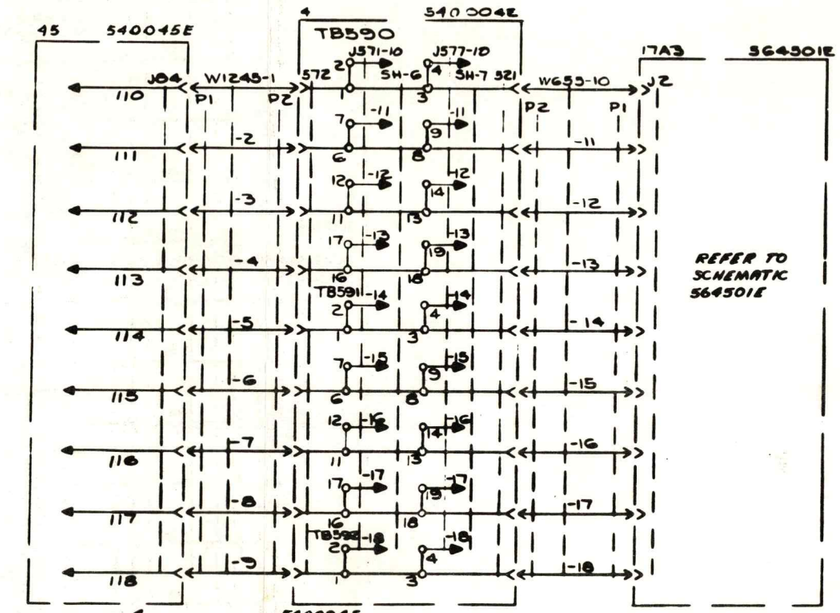
ENG. DWG. NO.	HDBK. FIG. NO.
564933	8-117

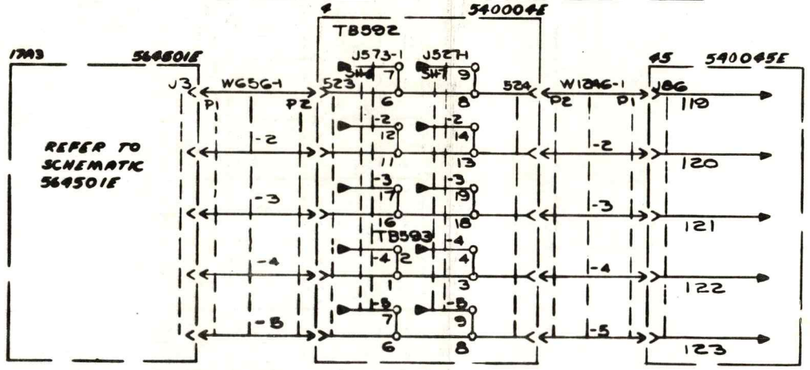
BSM8-117(1)

Figure 8-117. MIU Insertion (Sheet 1 of 8)





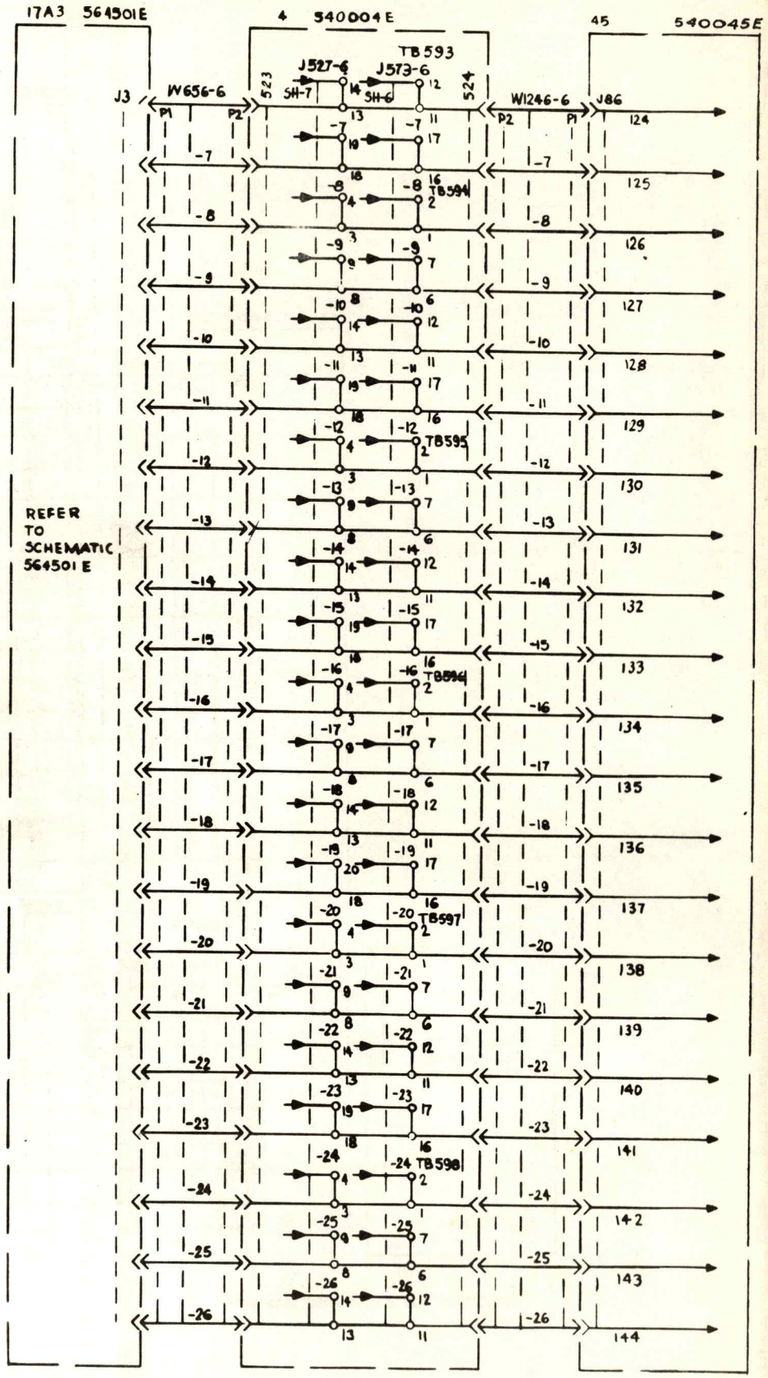


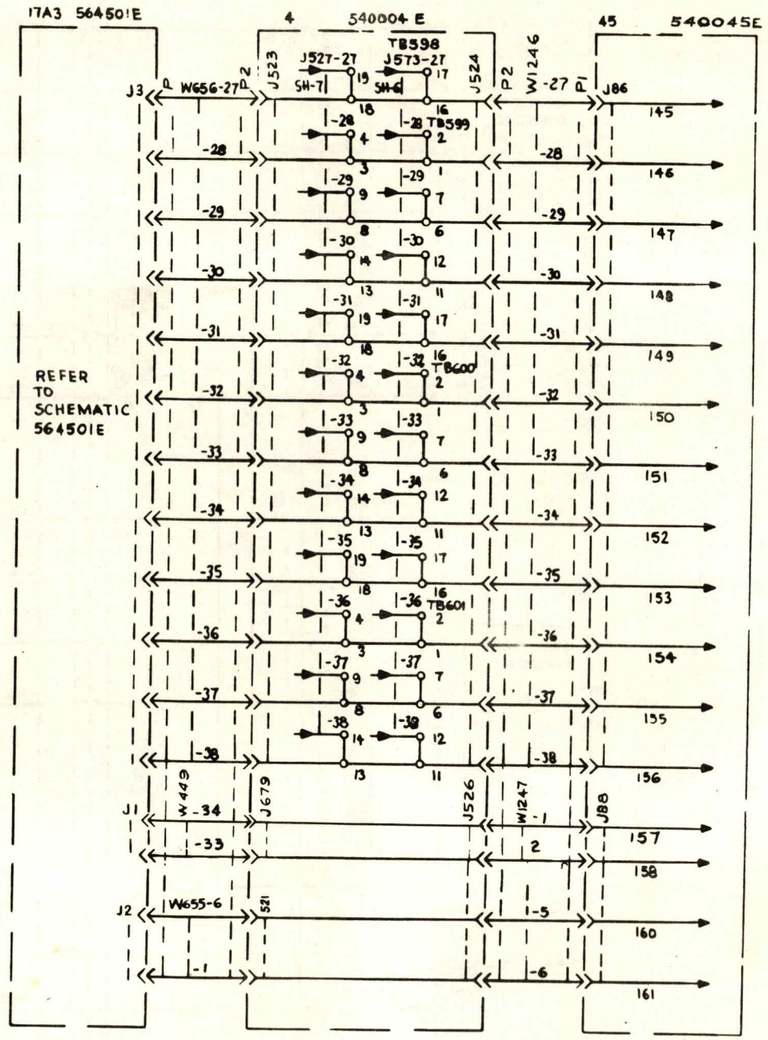


REFER TO SM-1 FOR NOTES

BSM8-117(2)

Figure 8-117. MIU Insertion (Sheet 2 of 8)

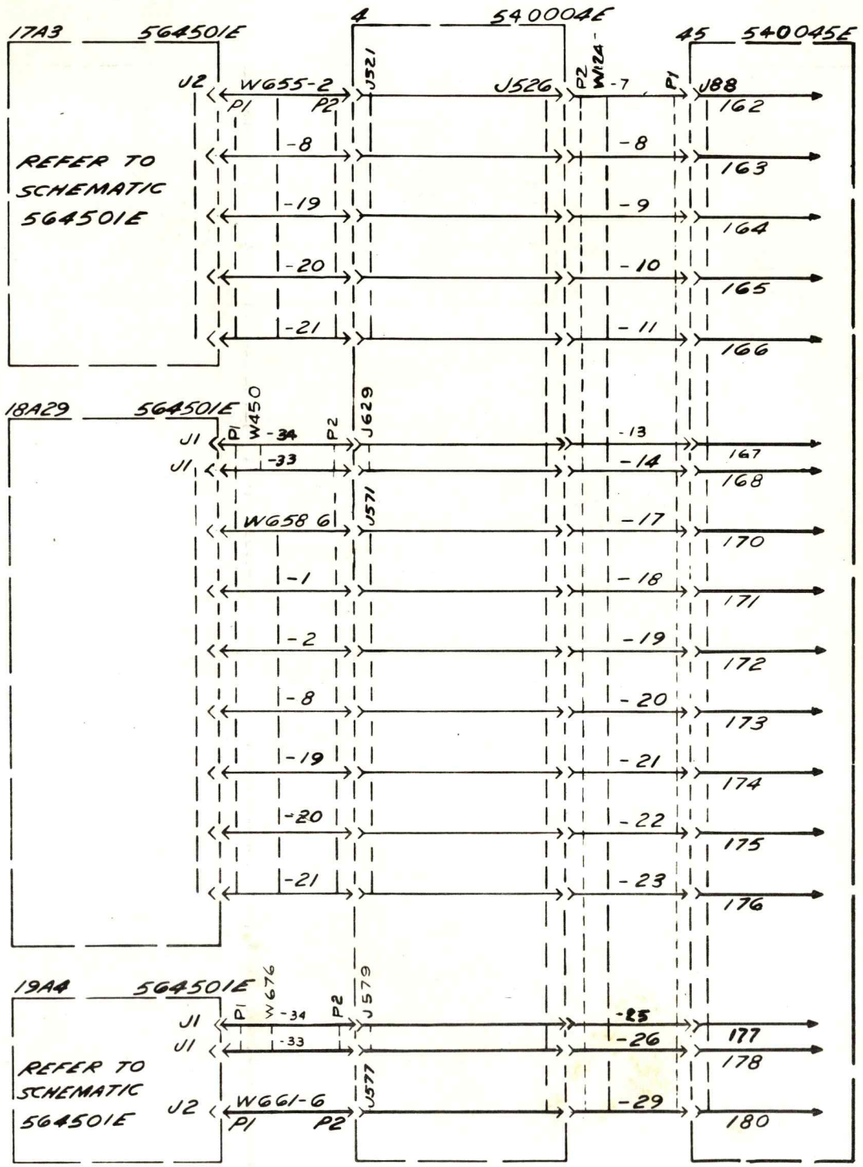


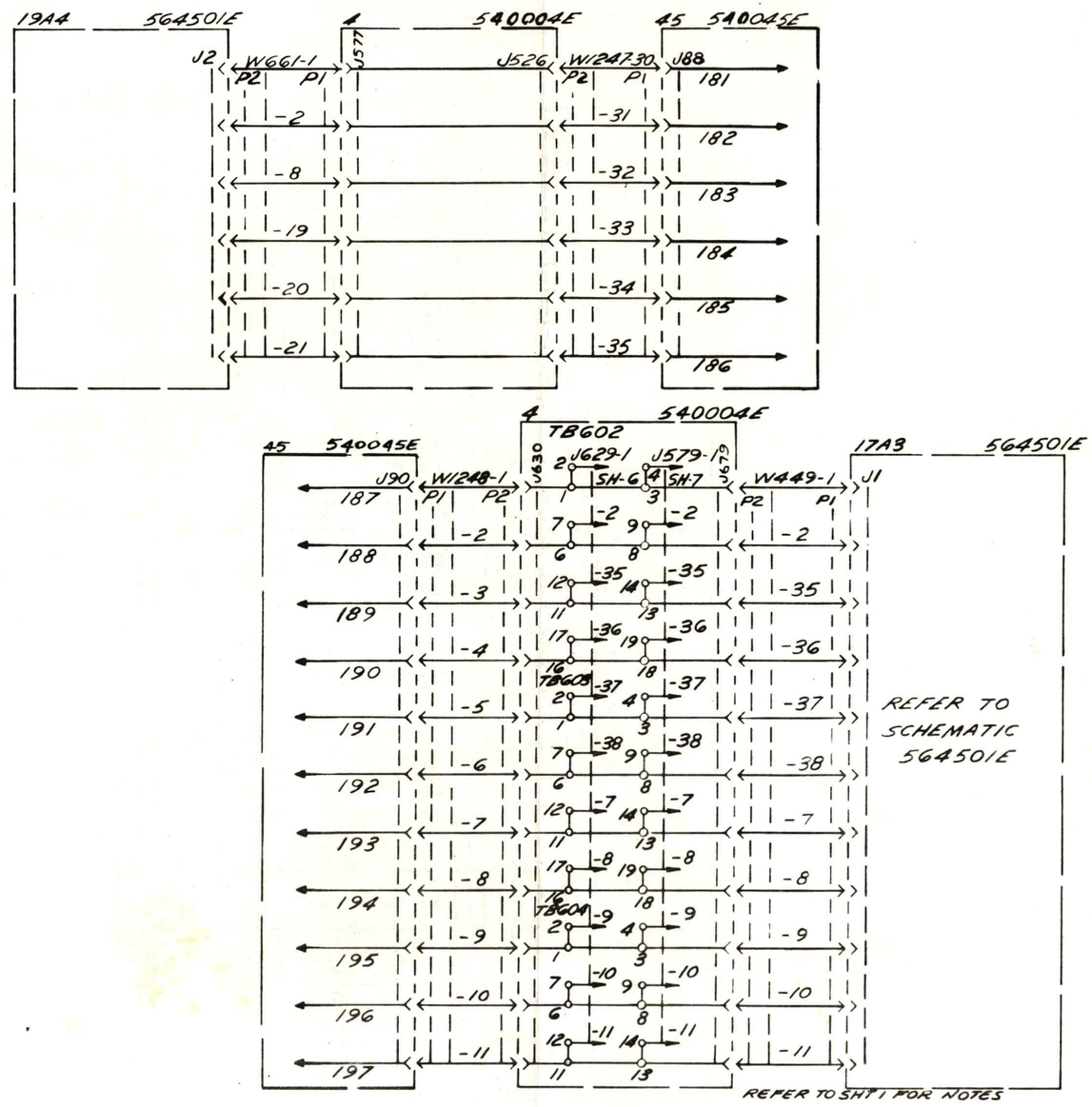


REFER TO SHT1 FOR NOTES

BSM8-117(3)

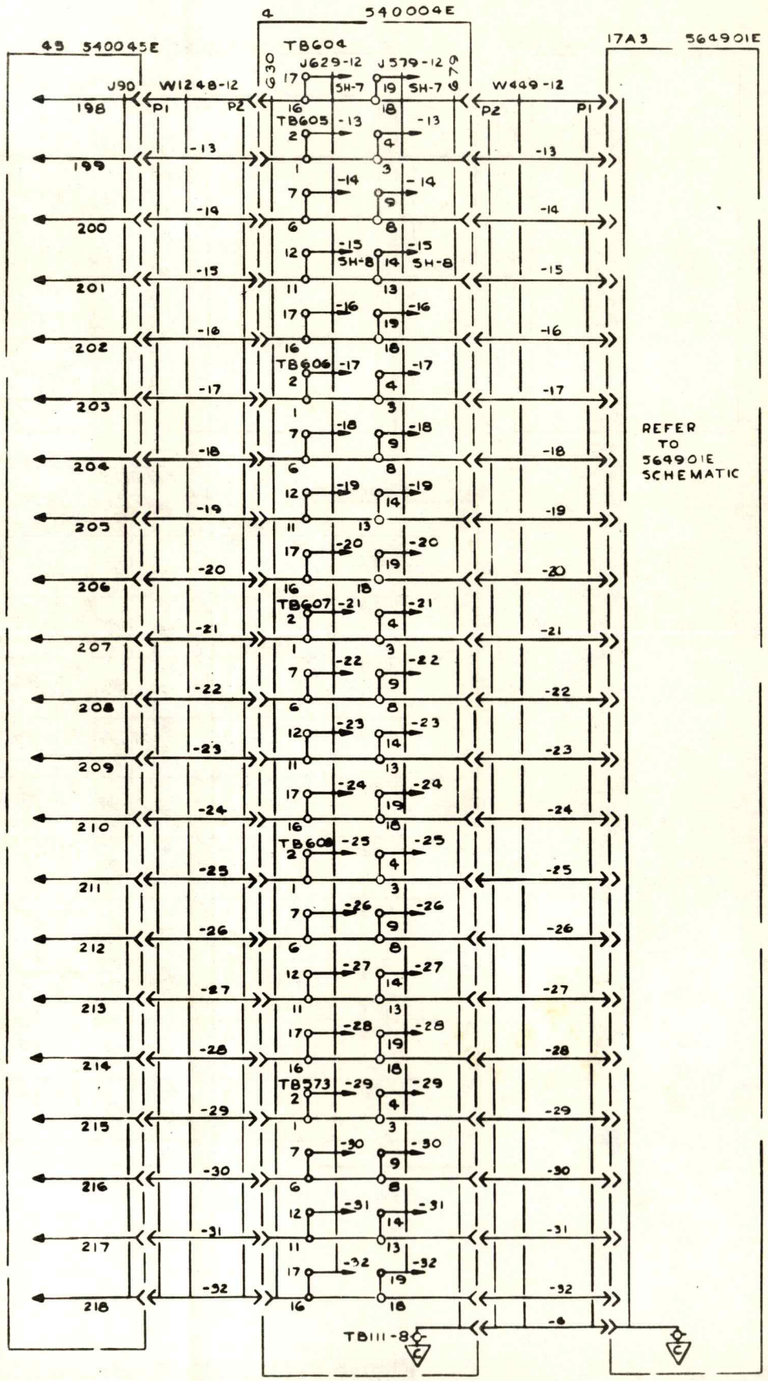
Figure 8-117. MIU Insertion (Sheet 3 of 8)

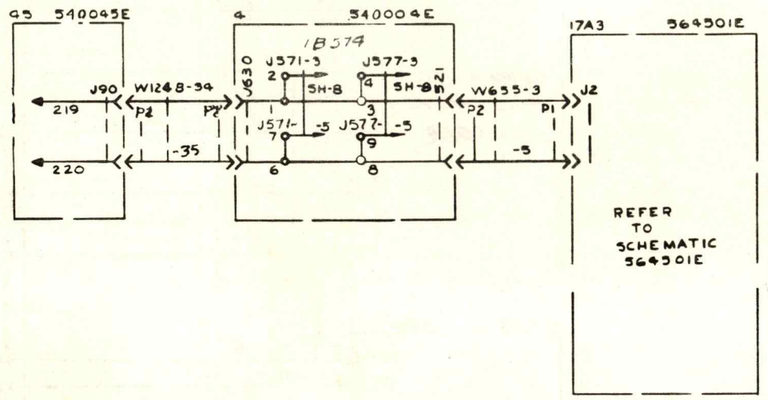




BSM8-117(4)

Figure 8-117. MIU Insertion (Sheet 4 of 8)





BSM8-117(5)

REFER TO SHT 1 FOR NOTES

Figure 8-117. MIU Insertion (Sheet 5 of 8)

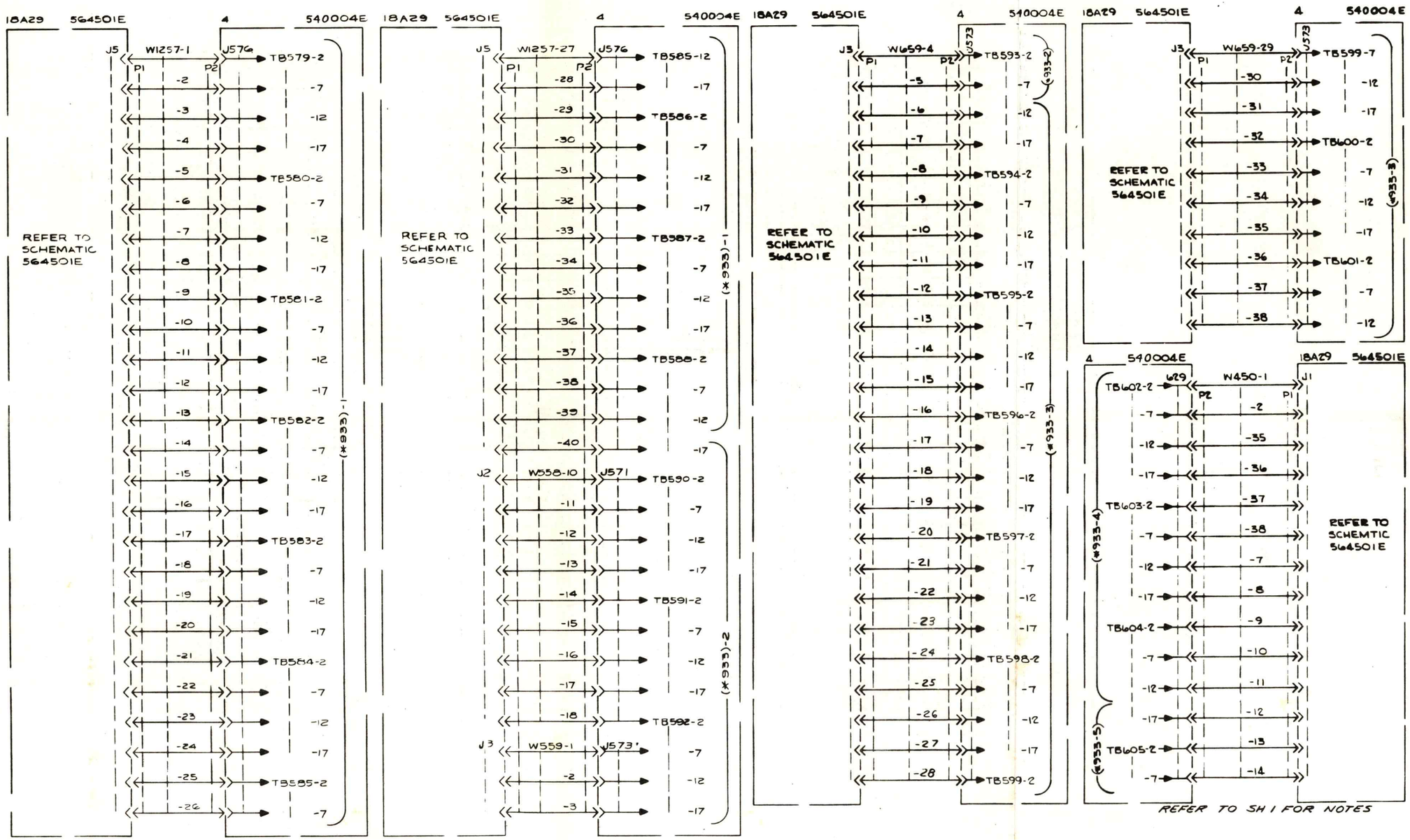
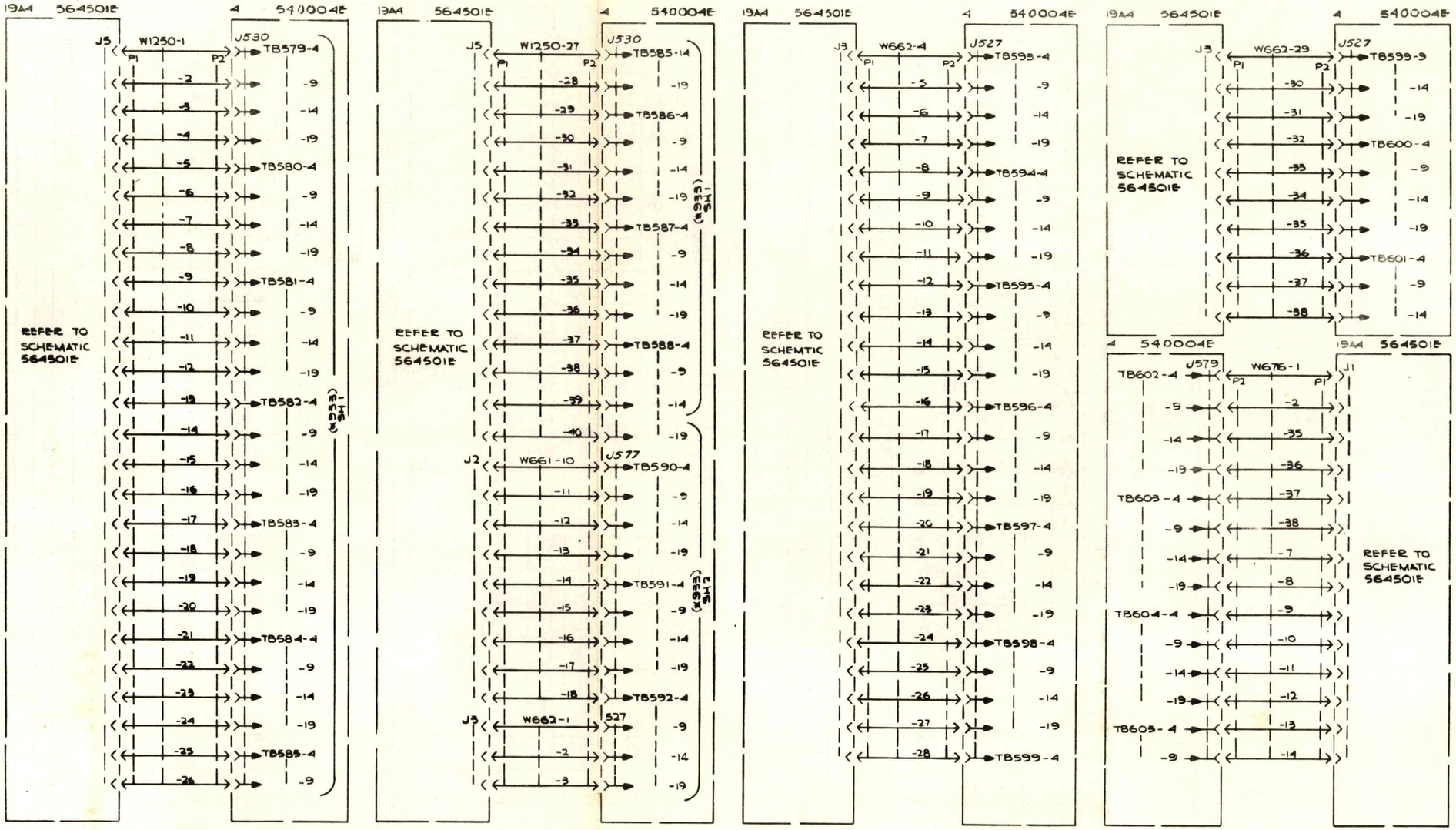
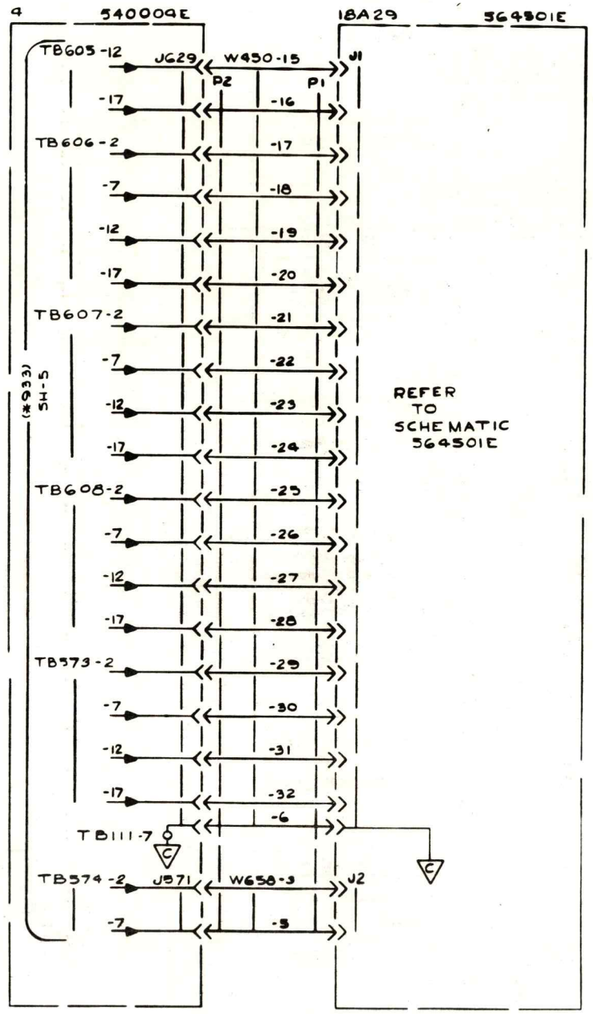


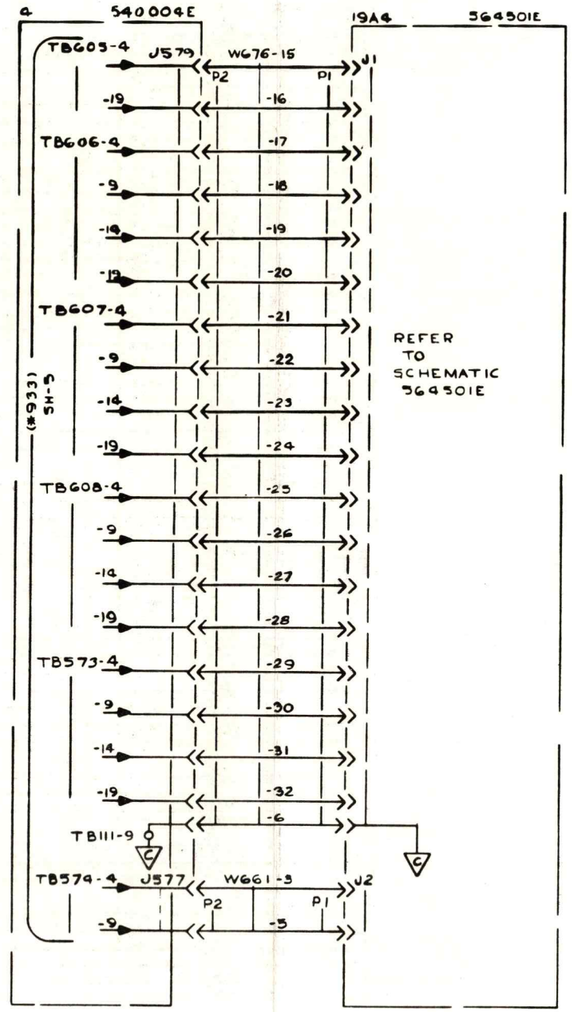
Figure 8-117. MIU Insertion (Sheet 6 of 8)



REFER TO SH 1 FOR NOTES

Figure 8-117. MIU Insertion (Sheet 7 of 8)

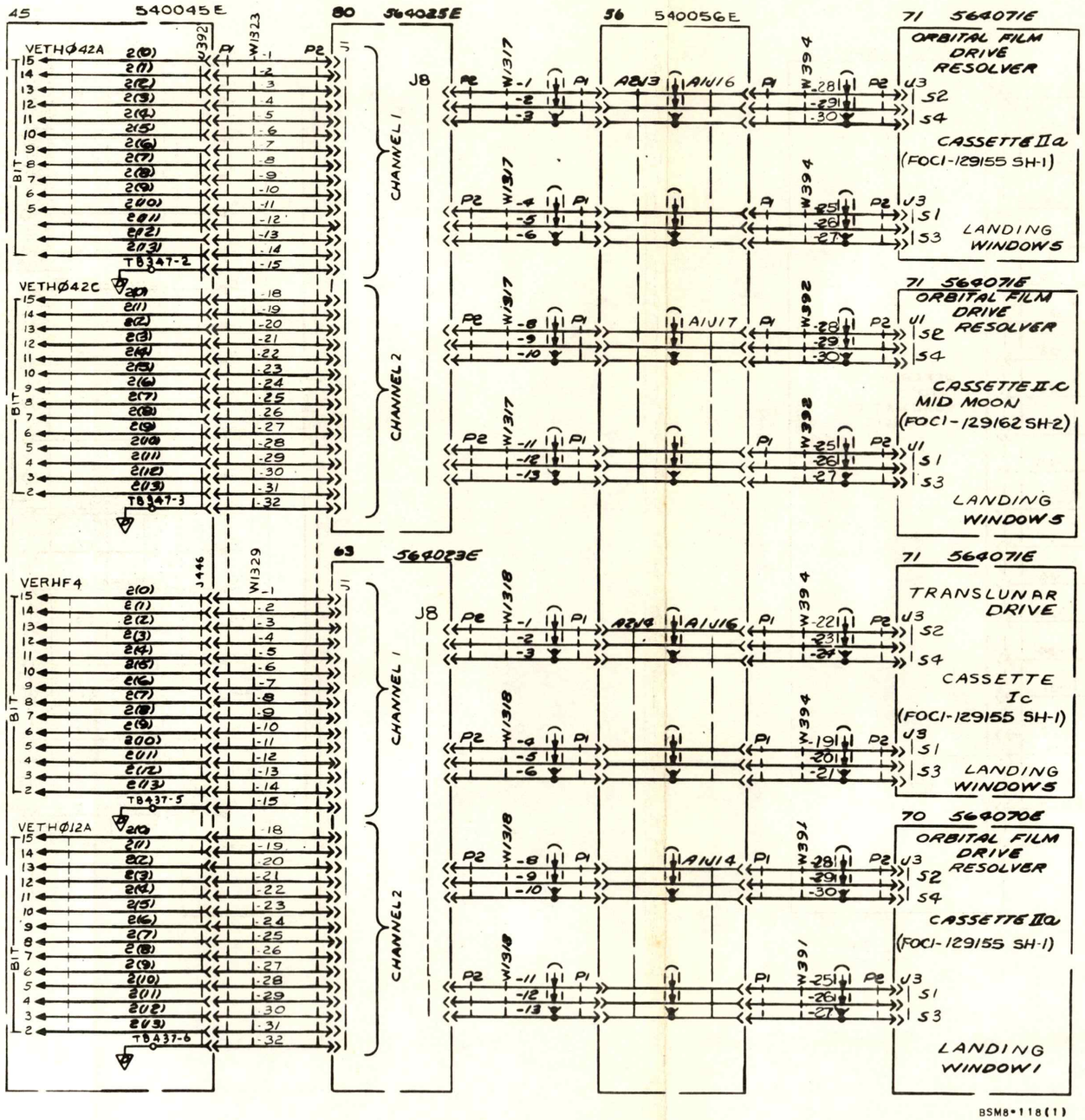




BSM8-117(8)

REFER TO SH 1 FOR NOTES

Figure 8-117. MIU Insertion (Sheet 8 of 8)

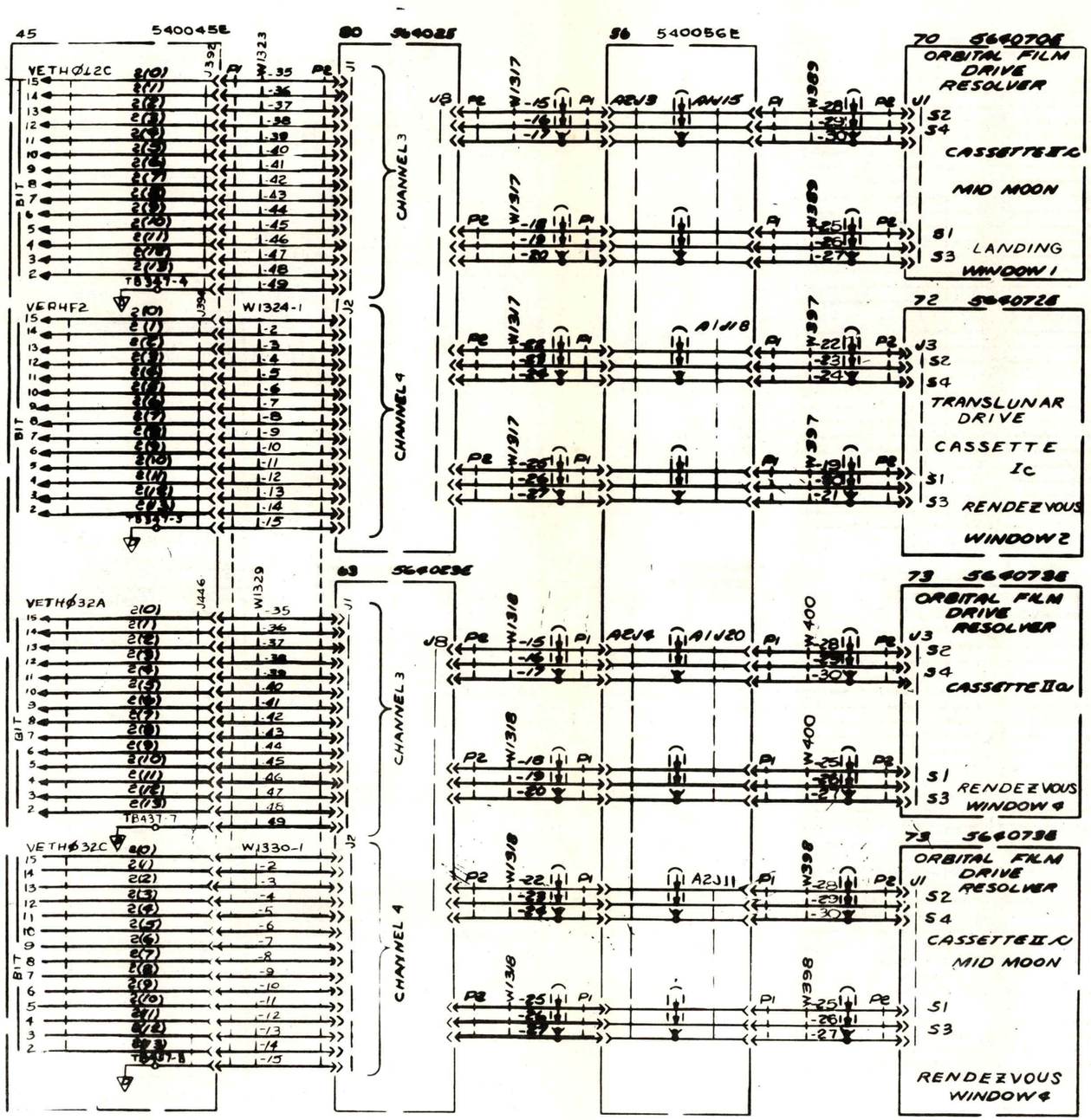


ENG. DWG. NO.	HDBK. FIG. NO.
564934	8-118
564935	8-119

NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. ß=SYSTEM DIAGRAM PREFIX WITH ß564
3. ▽=CHASSIS RETURN
4. SIGNAL RETURN=▽
5. ▽=RELAY RETURN
6. D.C. RETURN=▽
7. ▽=60 RETURN
8. 400 RETURN=▽
9. S*400 SIGNAL RETURN
10. INTERFACE RETURN=▽
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS ½ W, ±__%
    ALL RESISTORS ___Ω
    ALL LAMP LENS WHT.
12. " 2(0)-2° TYPICAL FOR ALL LOGIC CALLOUTS IN UNIT 45."
13. FOCI=FARRAND OPTICAL COMPANY INC.

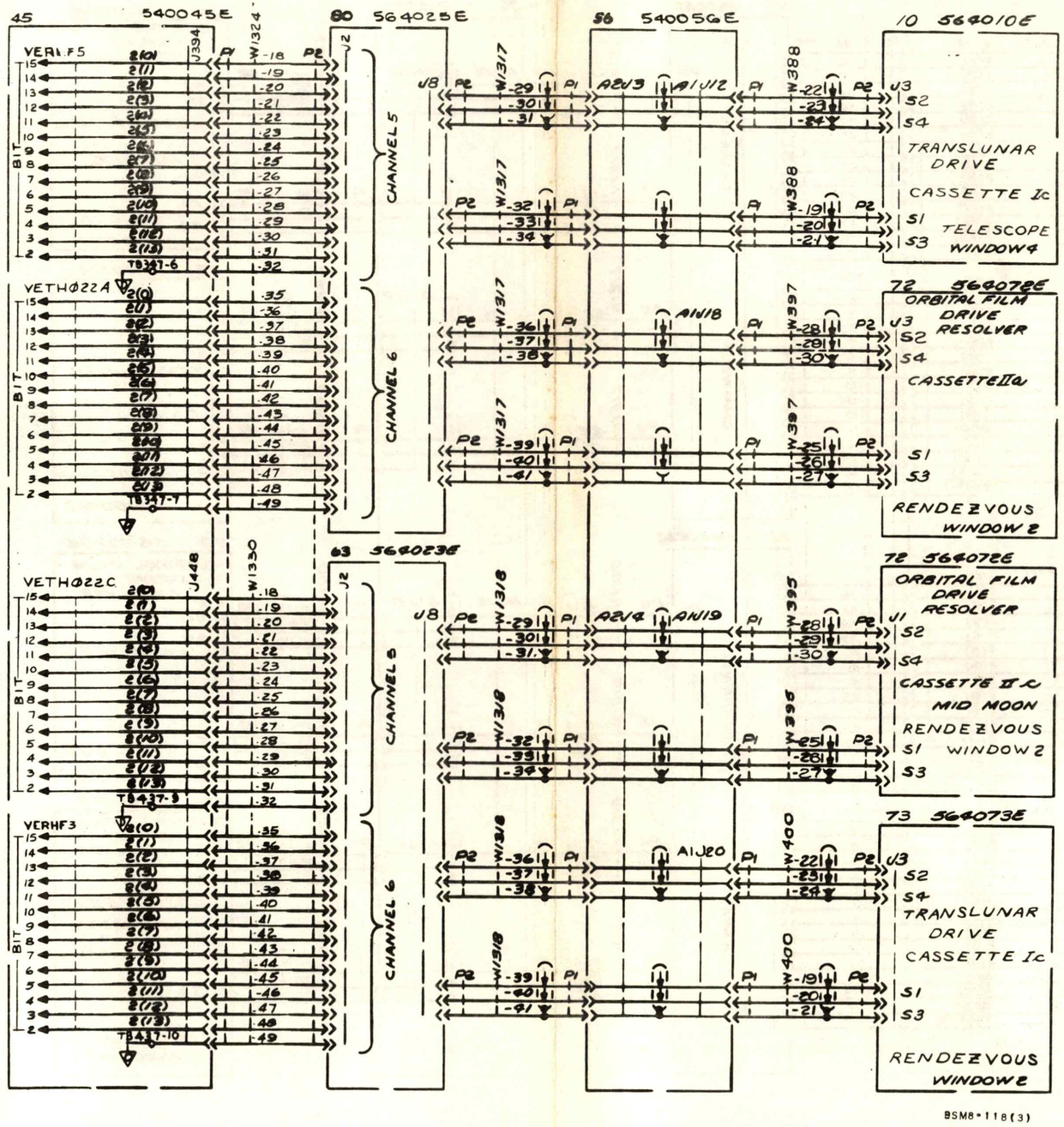
Figure 8-118. Visual D/R Interconnection (Sheet 1 of 9)



REFER TO SHEET 1 FOR NOTES

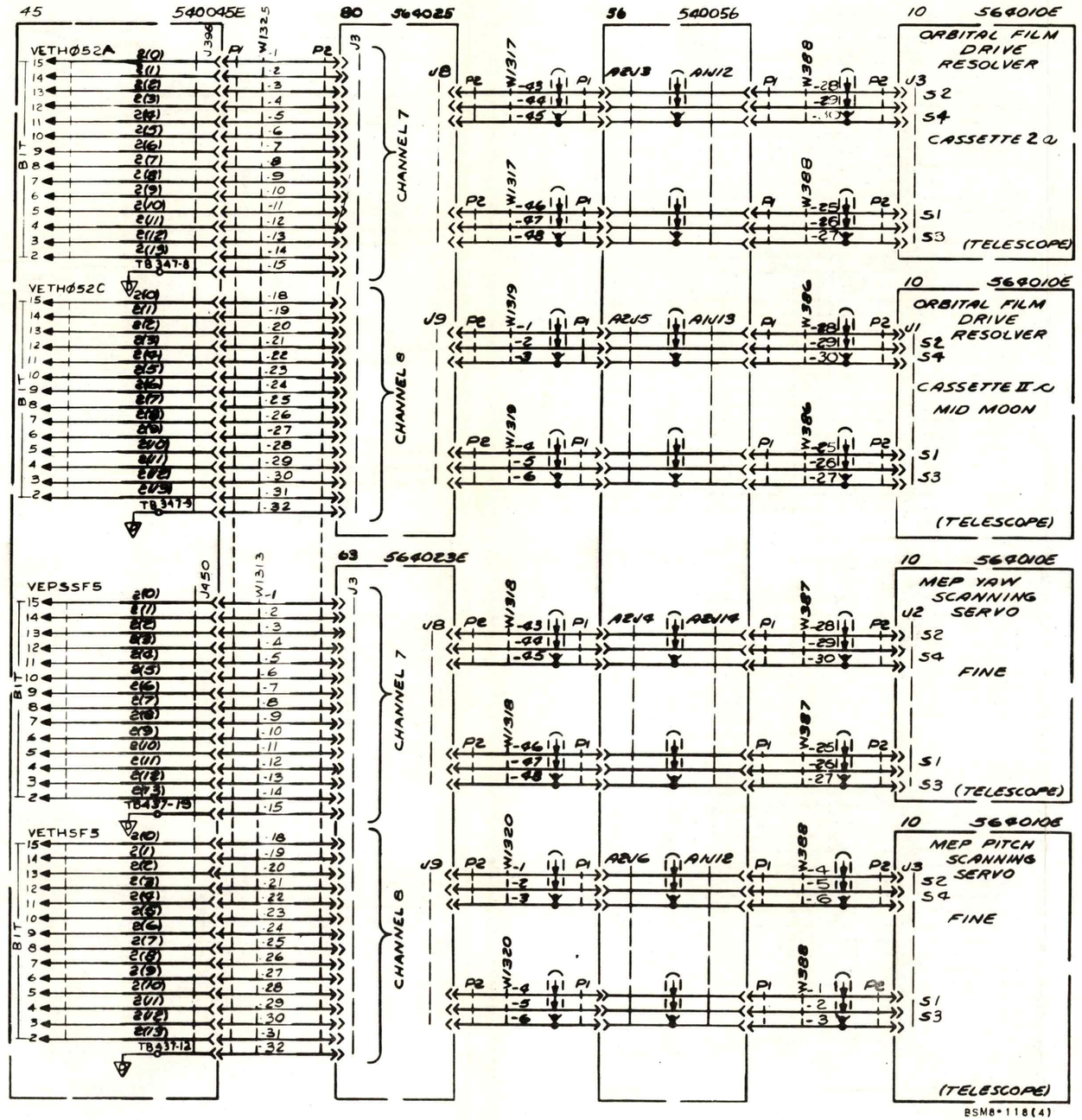
BSM8*118(2)

Figure 8-118. Visual D/R Interconnection (Sheet 2 of 9)



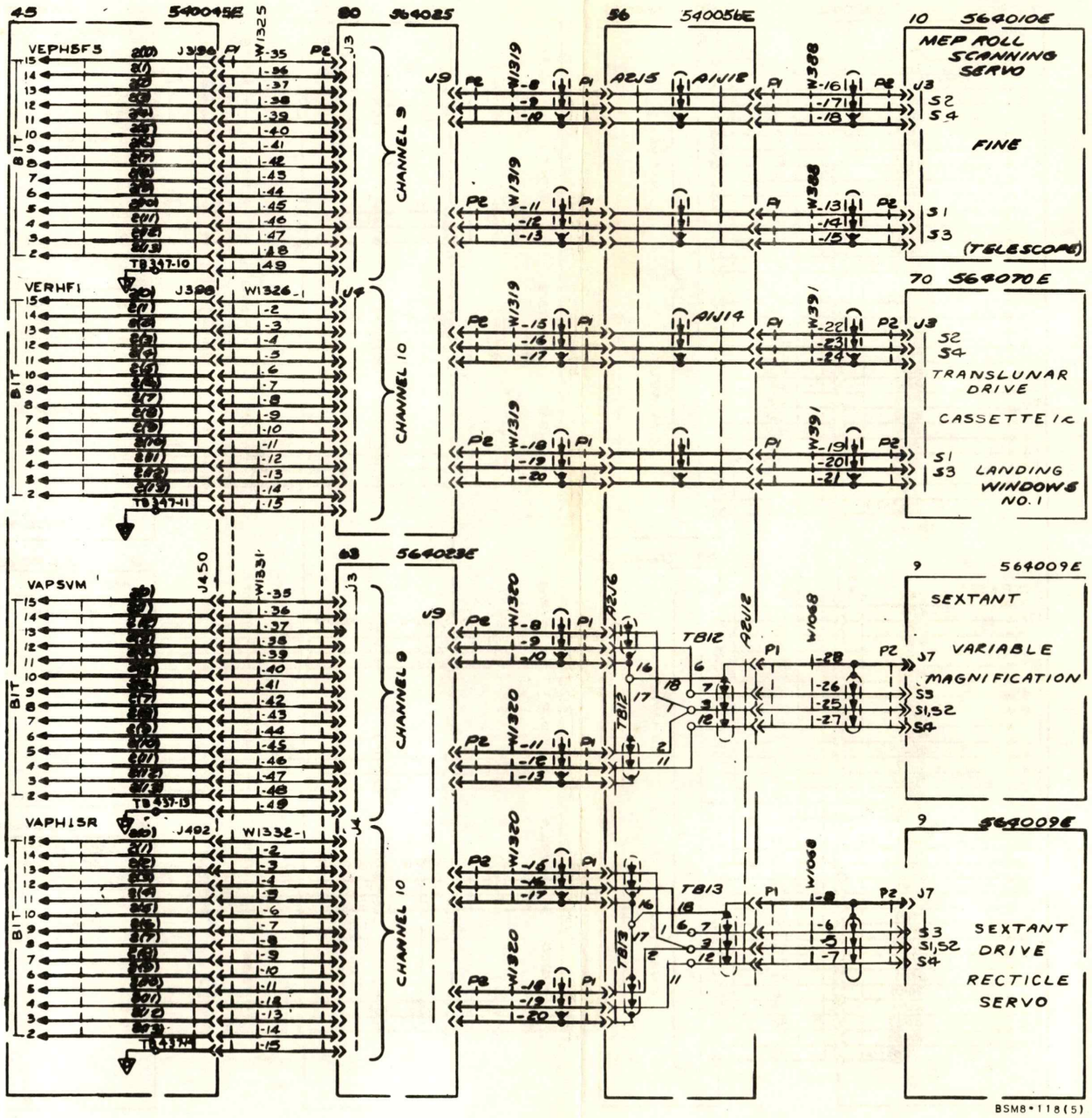
REFER TO SHEET 1 FOR NOTES

Figure 8-118. Visual D/R Interconnection (Sheet 3 of 9)



REFER TO SHEET 1 FOR NOTES

Figure 8-118. Visual D/R Interconnection (Sheet 4 of 9)



REFER TO SHEET 1 FOR NOTES

Figure 8-118. Visual D/R Interconnection (Sheet 5 of 9)

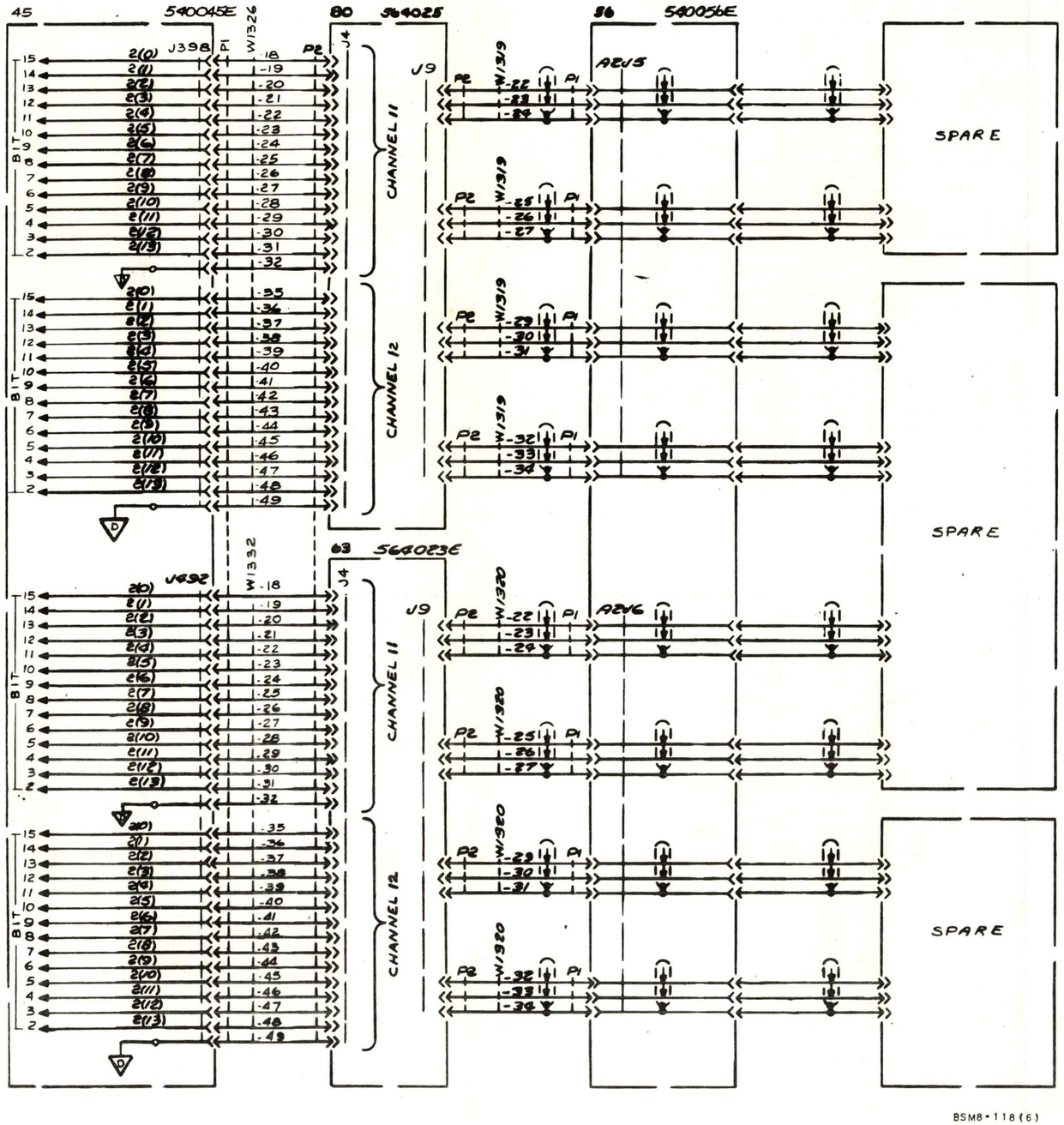
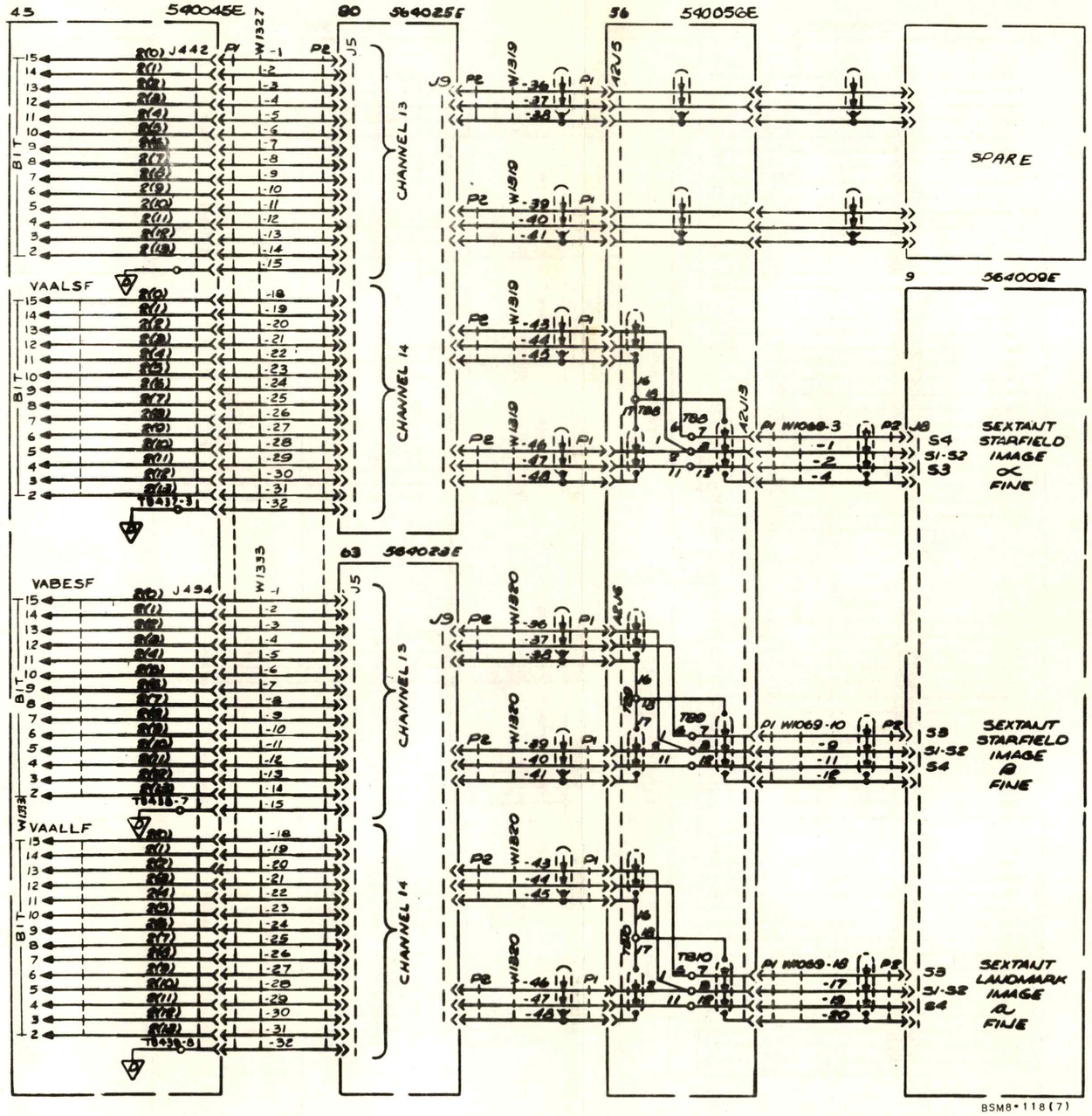
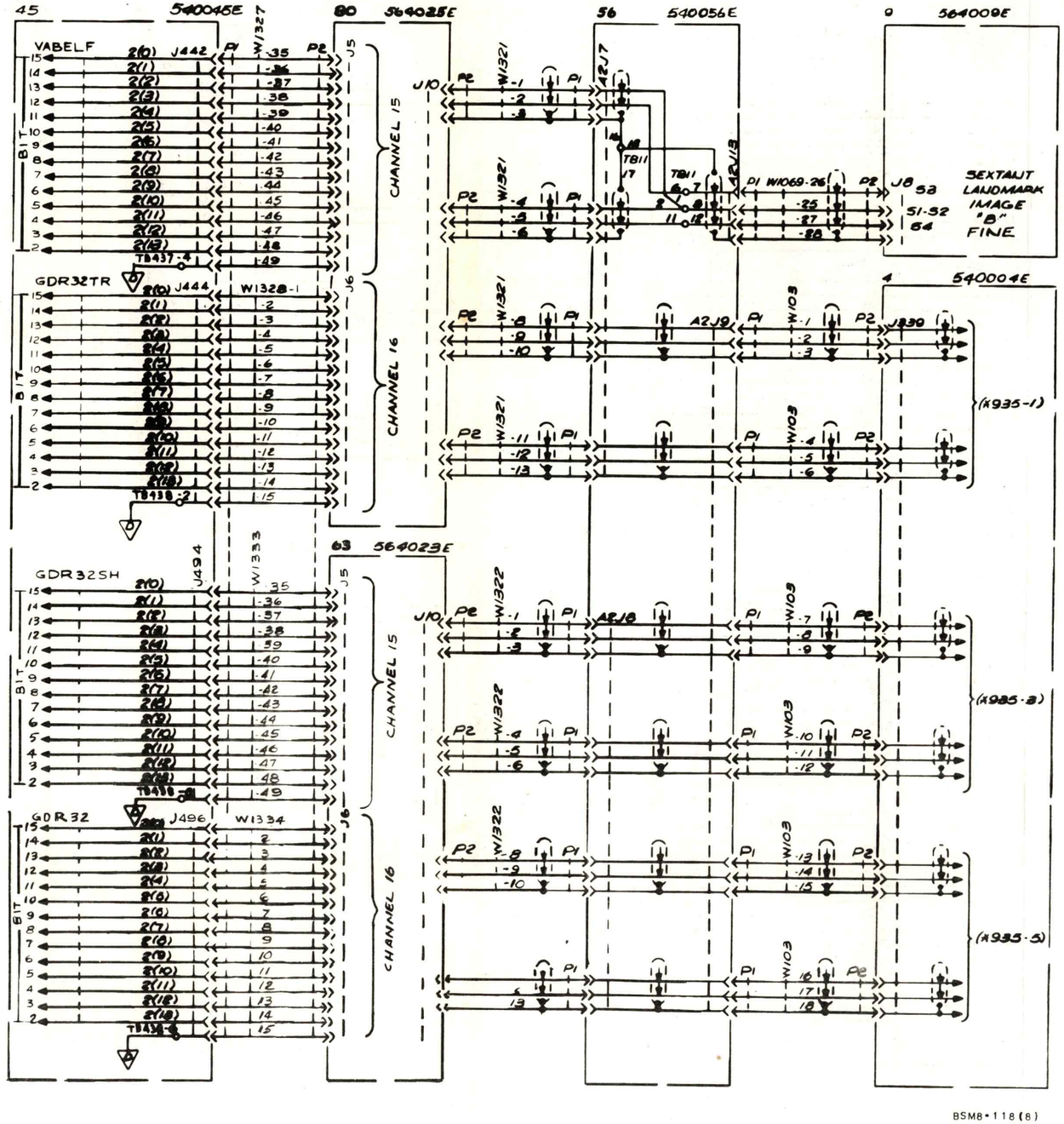


Figure 8-118. Visual D/R Interconnection (Sheet 6 of 9)



REFER TO SHEET 1 FOR NOTES

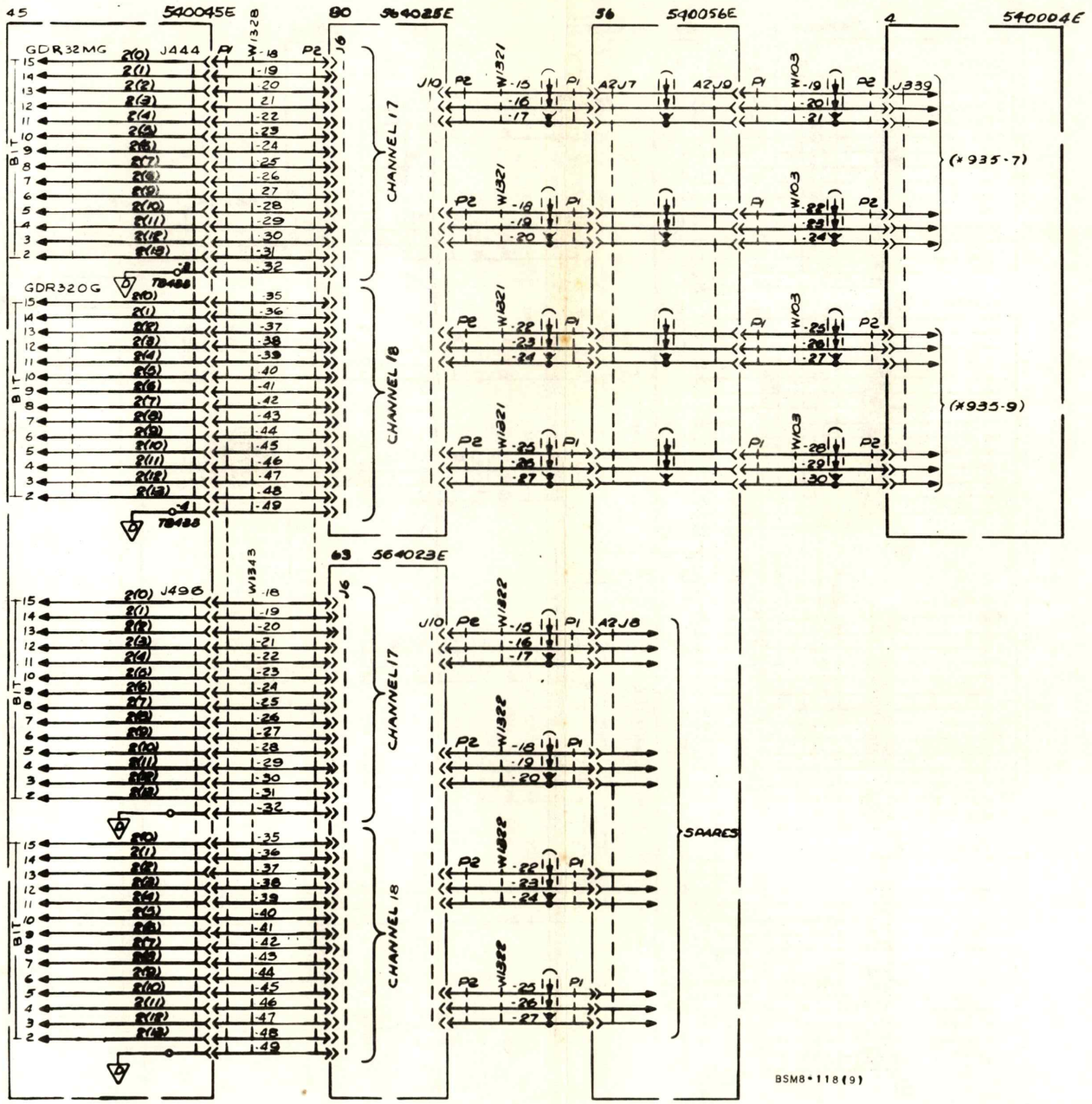
Figure 8-118. Visual D/R Interconnection (Sheet 7 of 9)



BSM8•118(8)

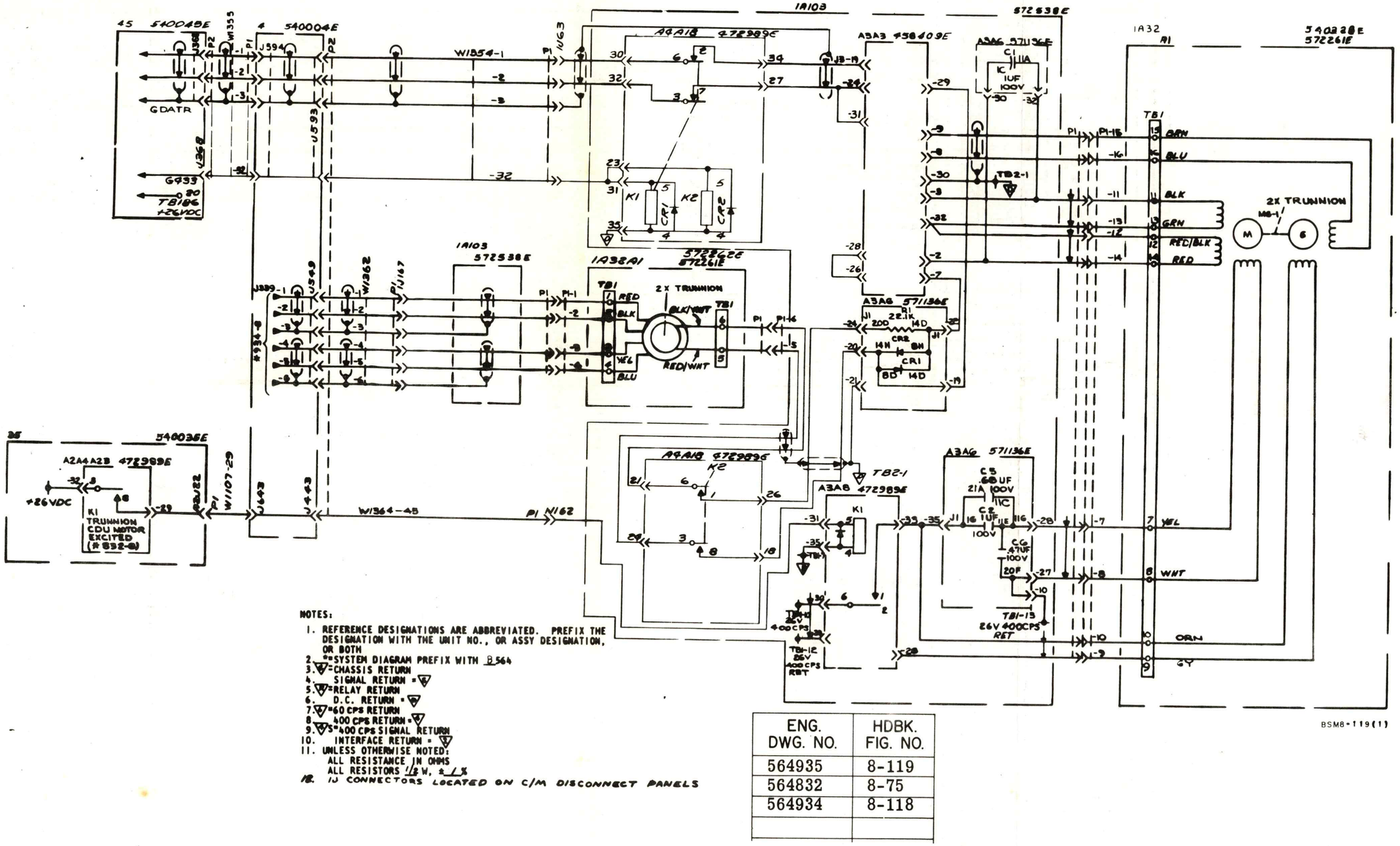
REFER TO SHEET 1 FOR NOTES

Figure 8-118. Visual D/R Interconnection (Sheet 8 of 9)



REFER TO SHEET 1 FOR NOTES

Figure 8-118. Visual D/R Interconnection (Sheet 9 of 9)



ENG. DWG. NO.	HDBK. FIG. NO.
564935	8-119
564832	8-75
564934	8-118

Figure 8-119. CDU Trunnion Shaft and Middle, Outer, Inner Gimbal (Sheet 1 of 10)

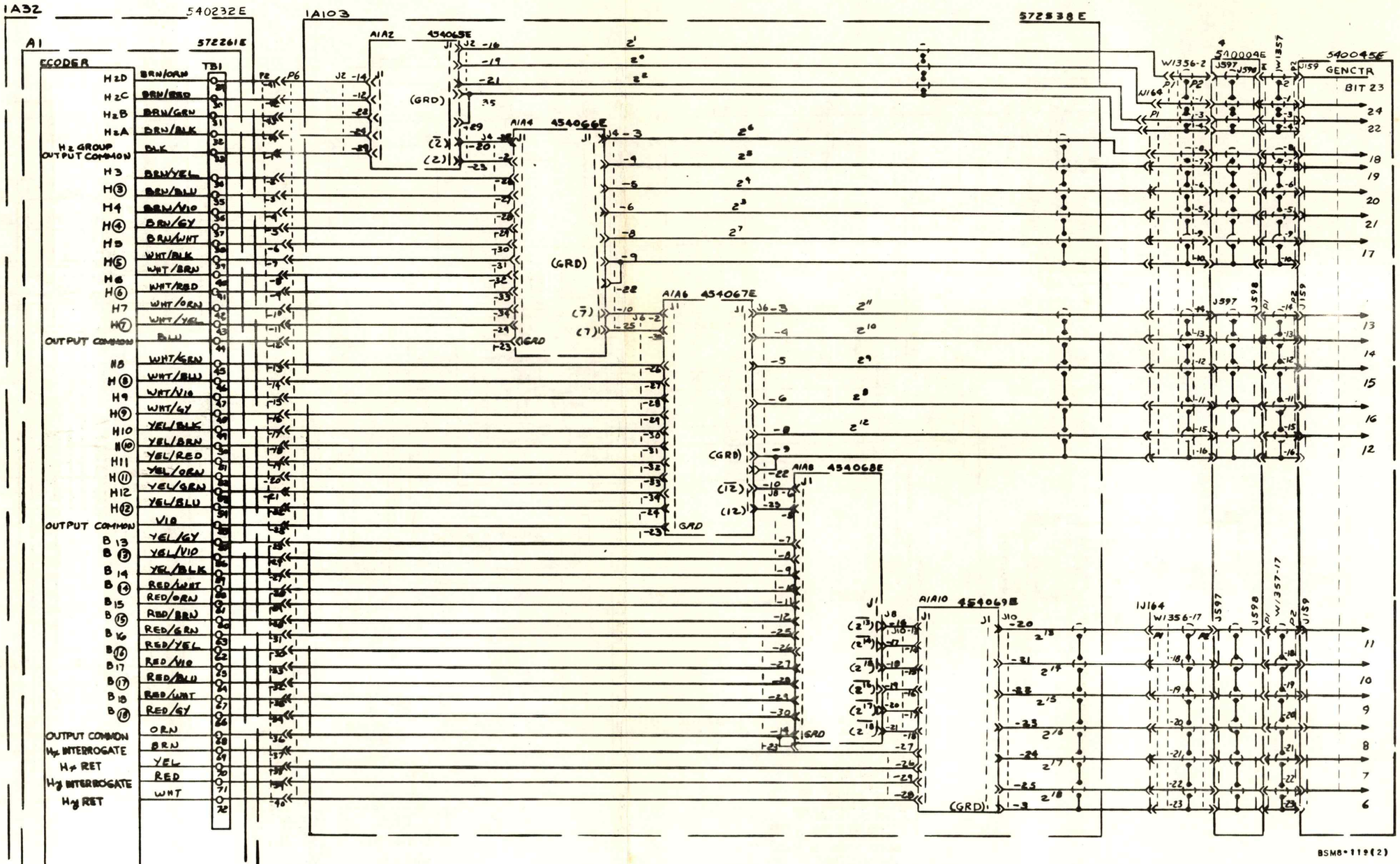


Figure 8-119. CDU Trunnion Shaft and Middle, Outer, Inner Gimbal (Sheet 2 of 10)

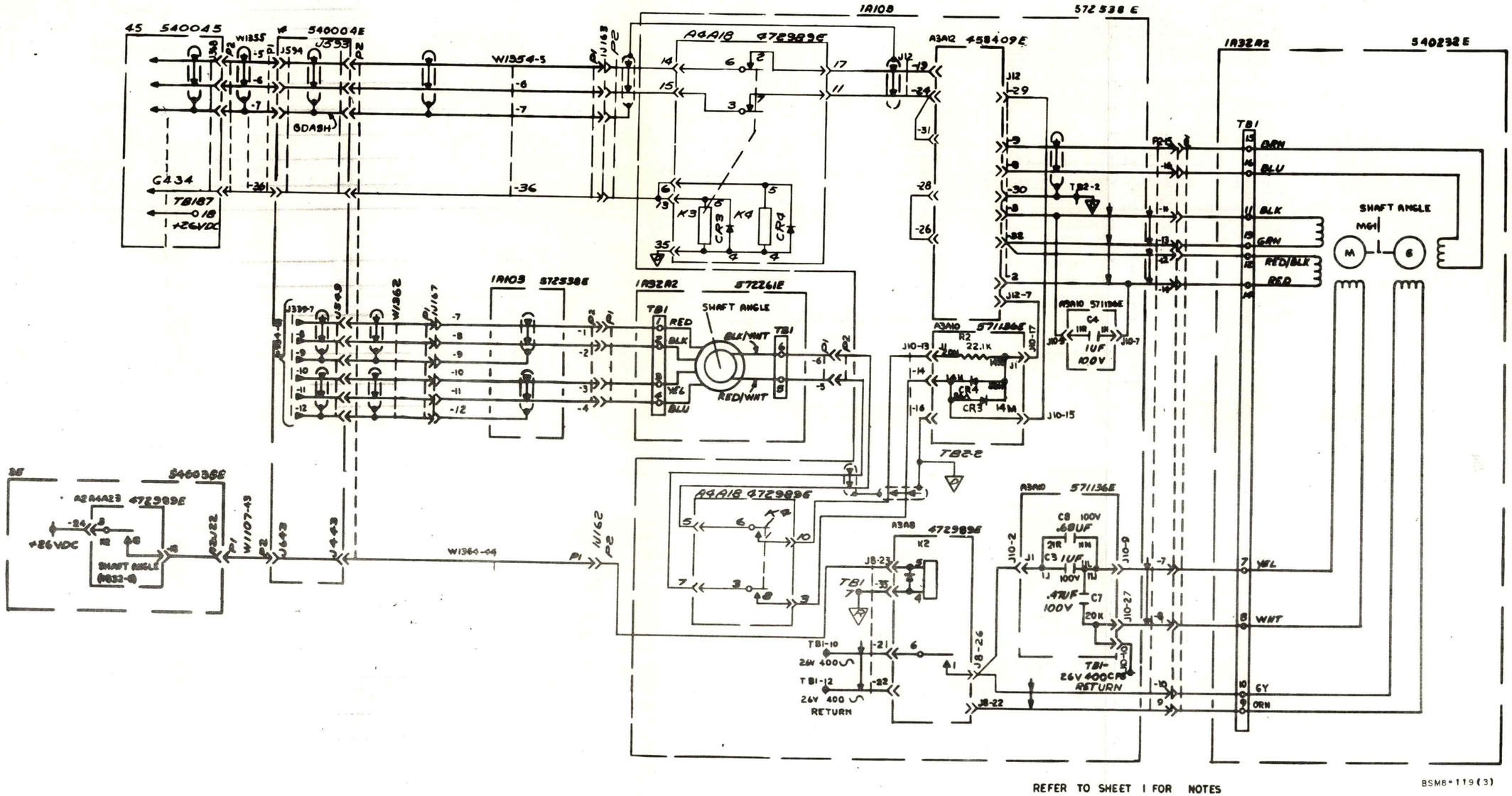
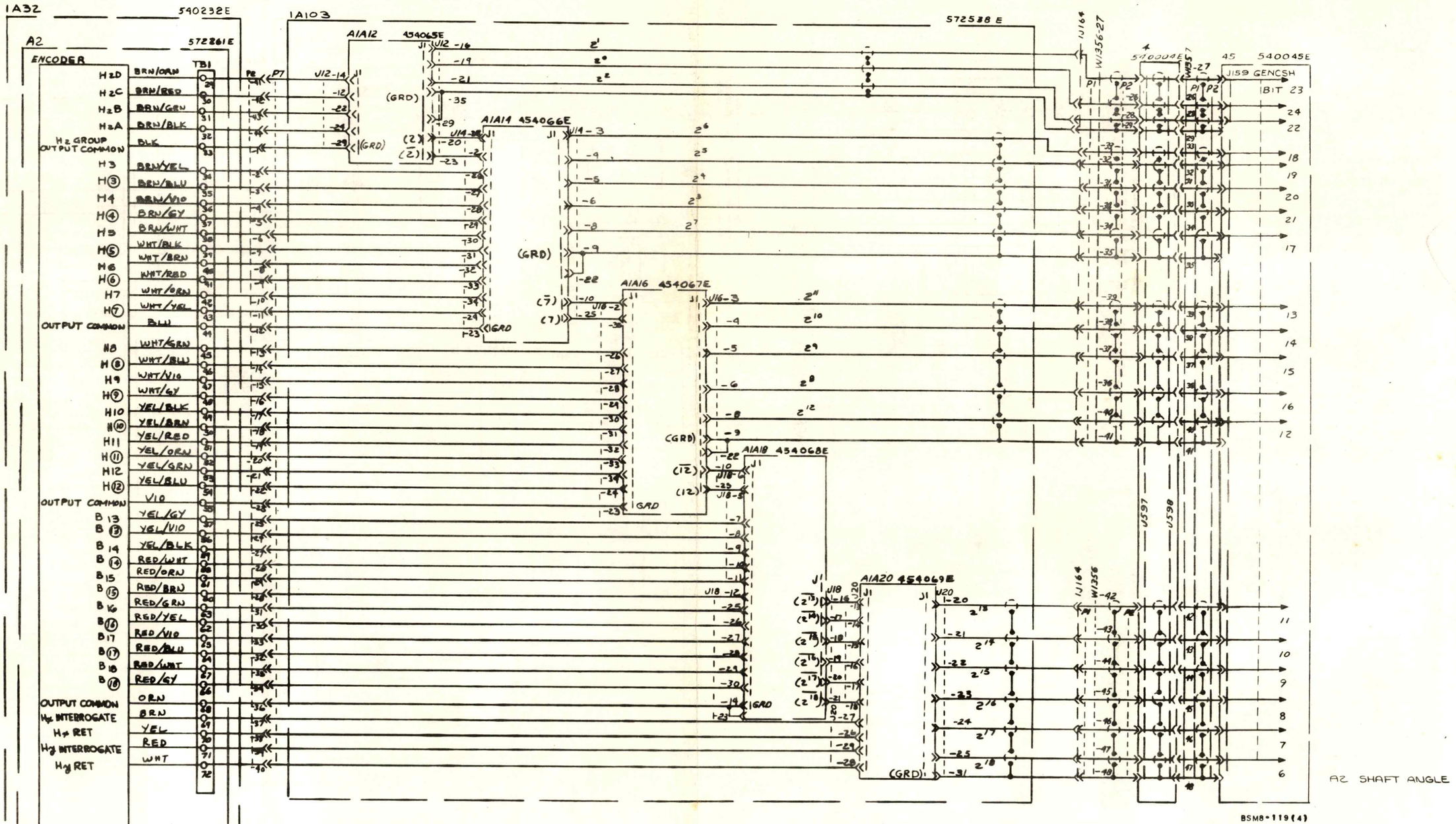


Figure 8-119. CDU Trunnion Shaft and Middle, Outer, Inner Gimbal (Sheet 3 of 10)



REFER TO SHEET 1 FOR NOTES

Figure 8-119. CDU Trunnion Shaft and Middle, Outer, Inner Gimbal (Sheet 4 of 10)

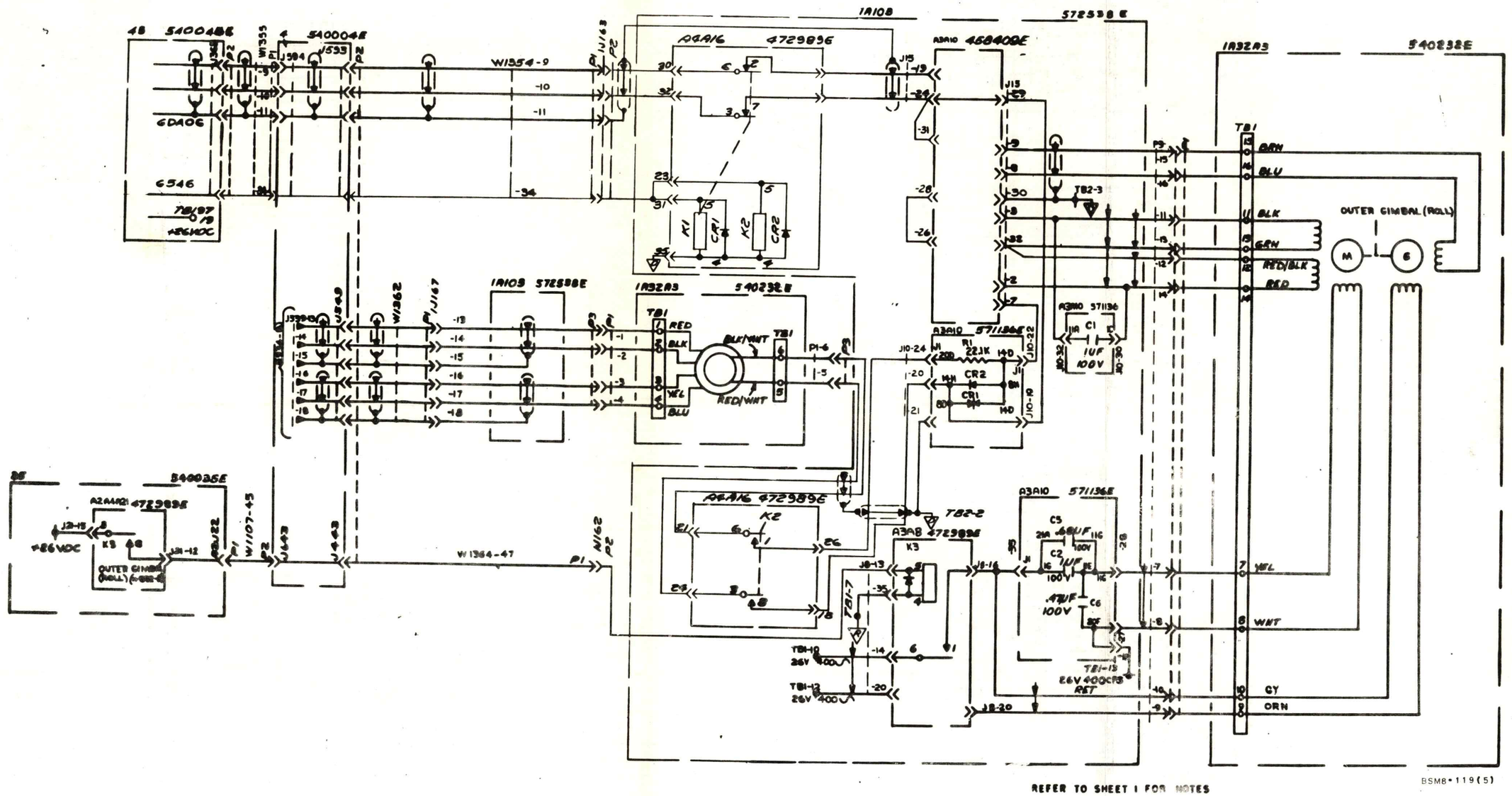


Figure 8-119. CDU Trunnion Shaft and Middle, Outer, Inner Gimbal (Sheet 5 of 10)

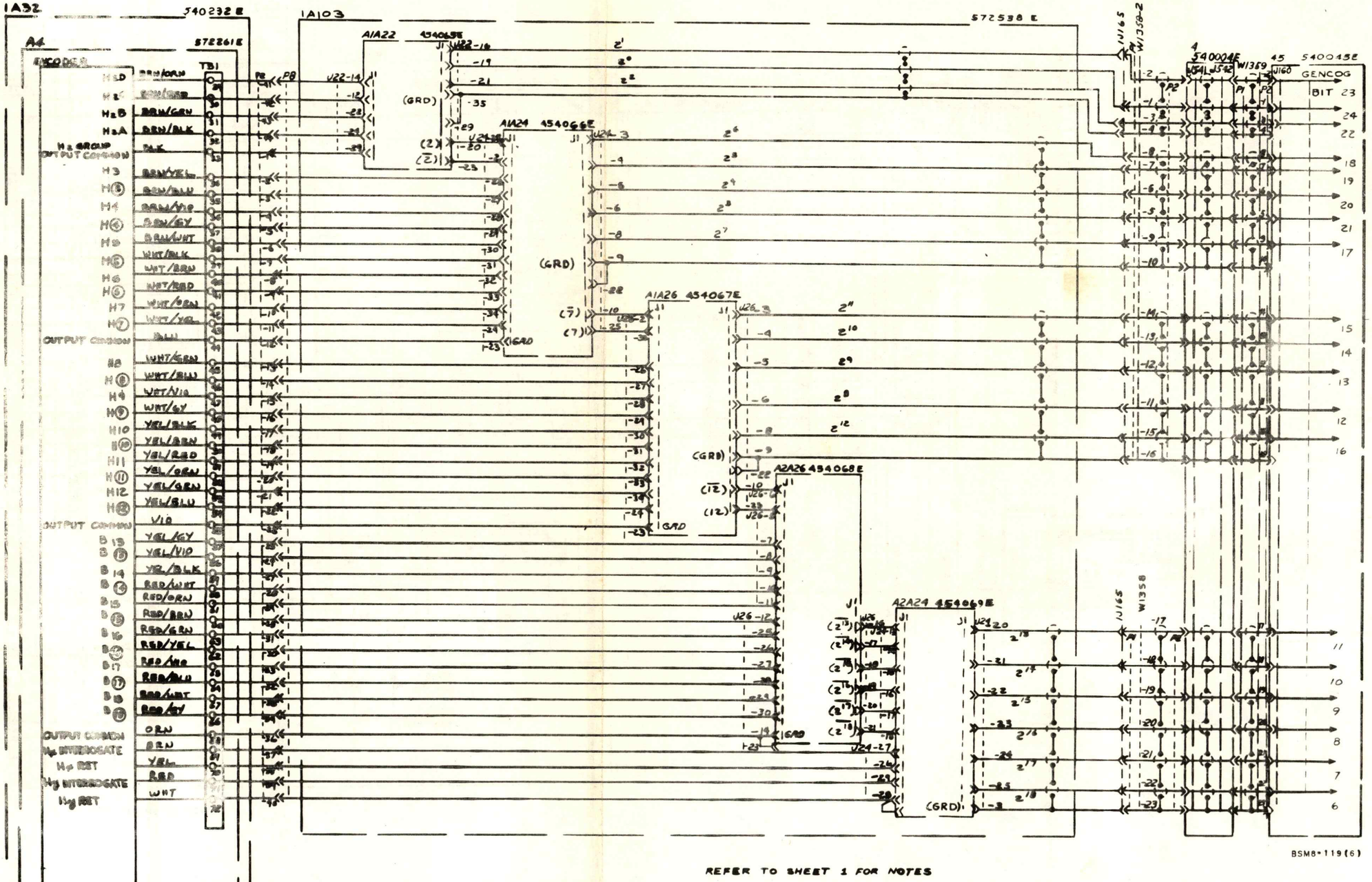
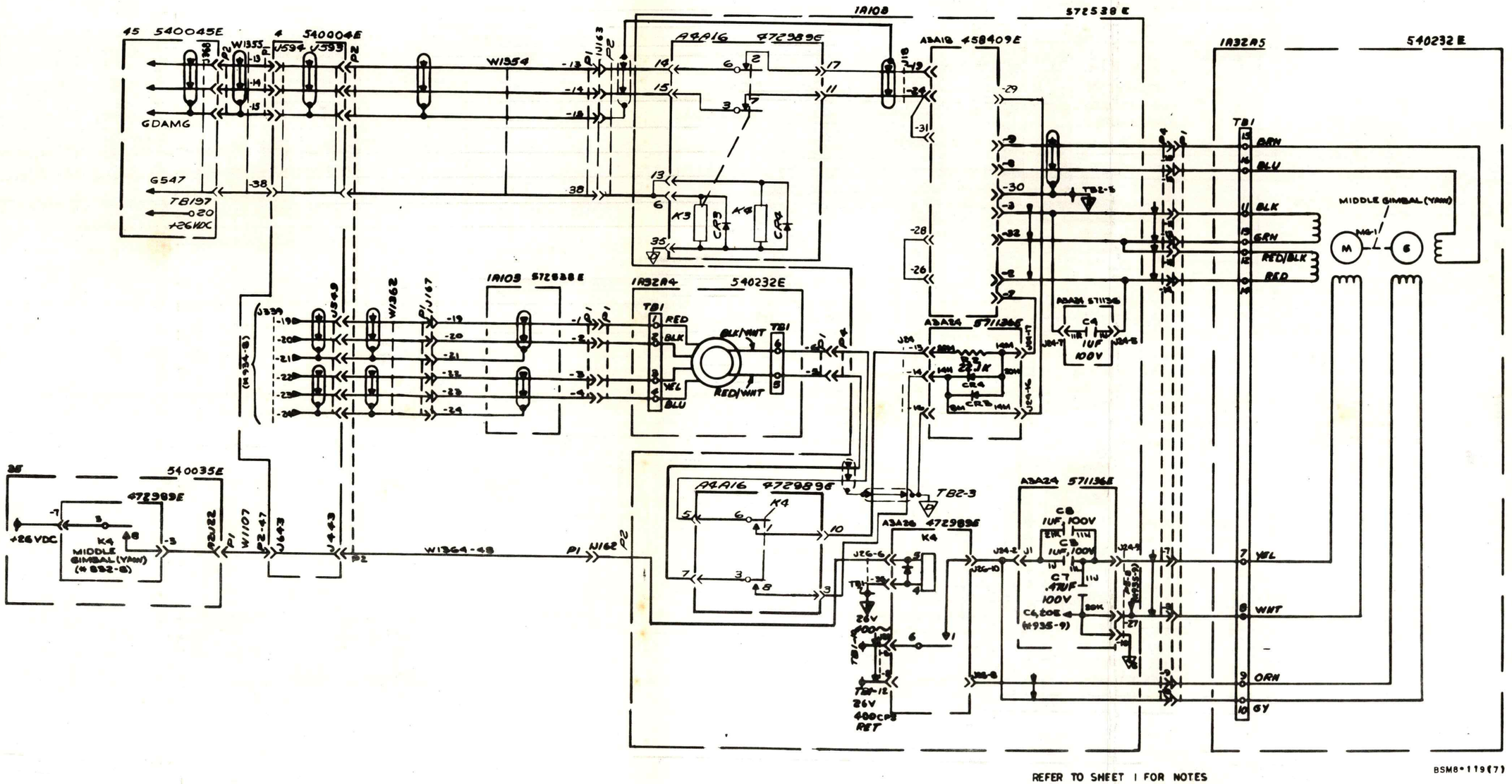


Figure 8-119. CDU Trunnion Shaft and Middle, Outer, Inner Gimbal (Sheet 6 of 10)


45 540045E
4 540045E
W1355
W1354
GDAMG
G547
TB197
+26VDC
1A10B
A9A16 4729896
A9A18 4584096
5725386
1A32A5
540232E
TB1
MIDDLE GIMBAL (YAW)
BRN
BLU
BLK
GRN
RED/BLK
RED
K3
K4
CR3
CR4
C4
1UF 100V
TB2-5
TB2-3
1A32A4
1A10B 5725386
W1352
RED
BLK
BLK/WHT
RED/WHT
WHT
BLU
A3A24 5711365
220K
CR4
CR3
C5 1UF, 100V
C7 .47UF 100V
C4, 20E (#935-9)
J24-1
J24-2
J24-5
J24-6
J24-7
J24-8
J24-9
J24-10
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J24-44

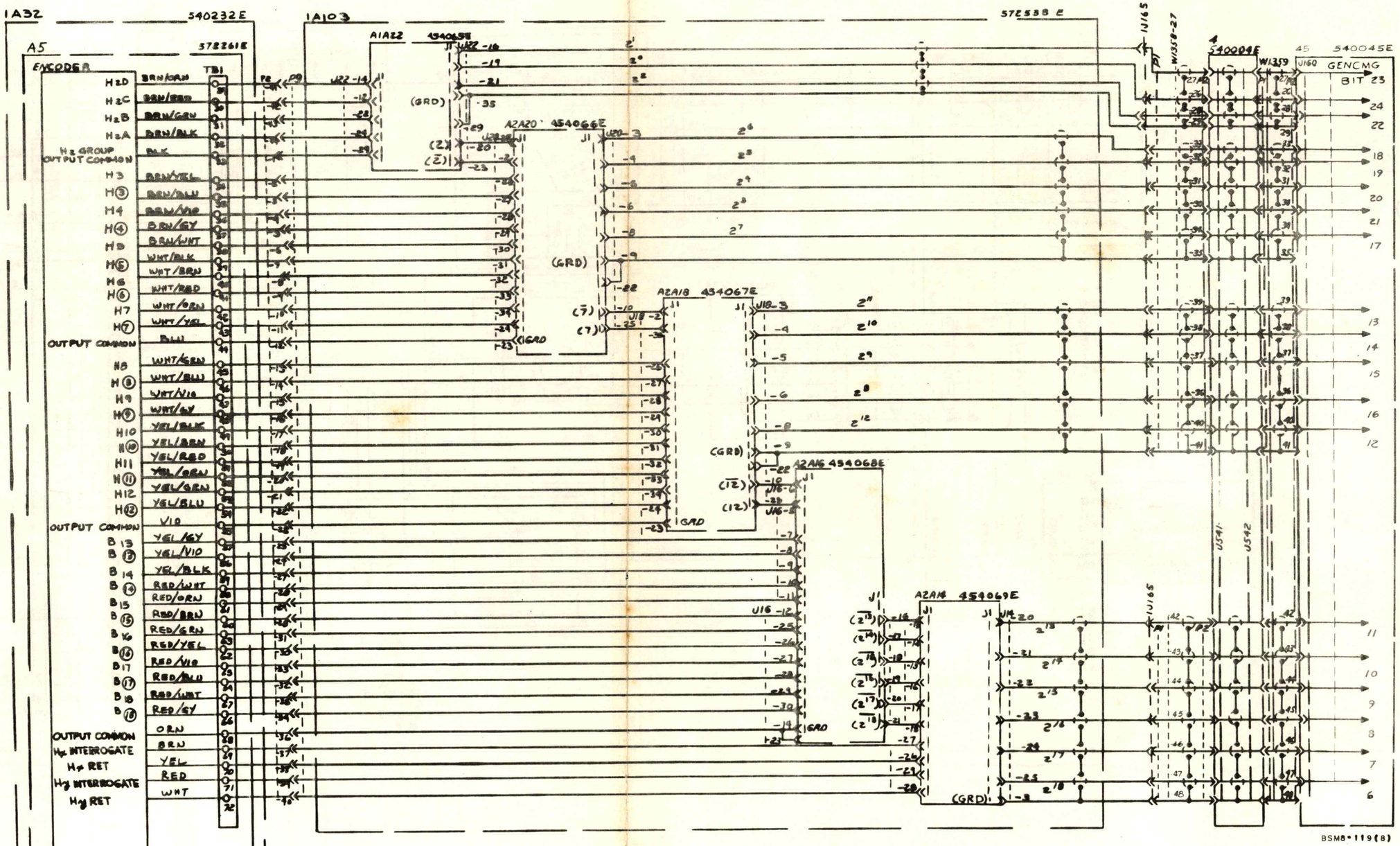
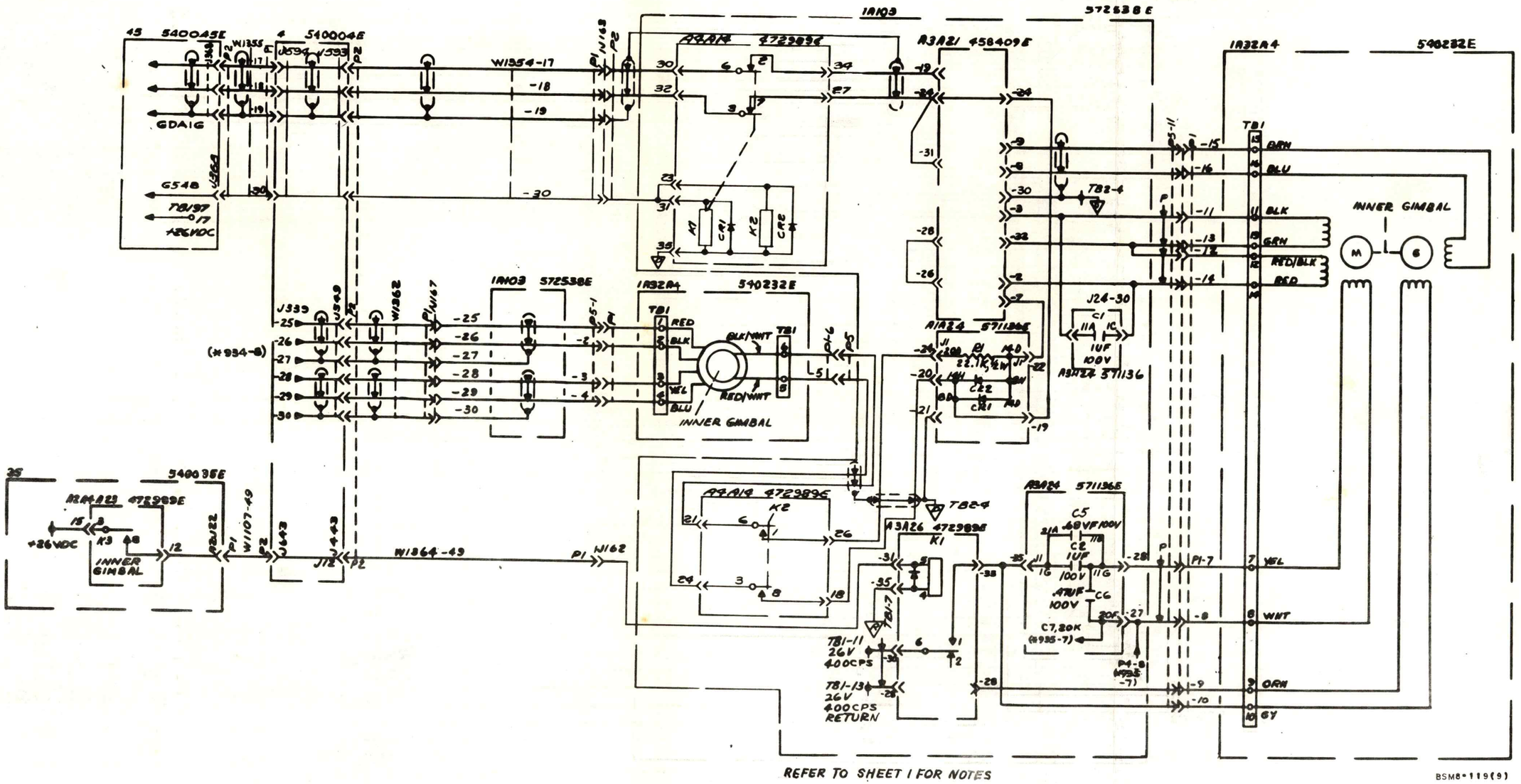


Figure 8-119. CDU Trunnion Shaft and Middle, Outer, Inner Gimbal (Sheet 8 of 10)



REFER TO SHEET 1 FOR NOTES

BSM8-119(9)

Figure 8-119. CDU Trunnion Shaft and Middle, Outer, Inner Gimbal (Sheet 9 of 10)

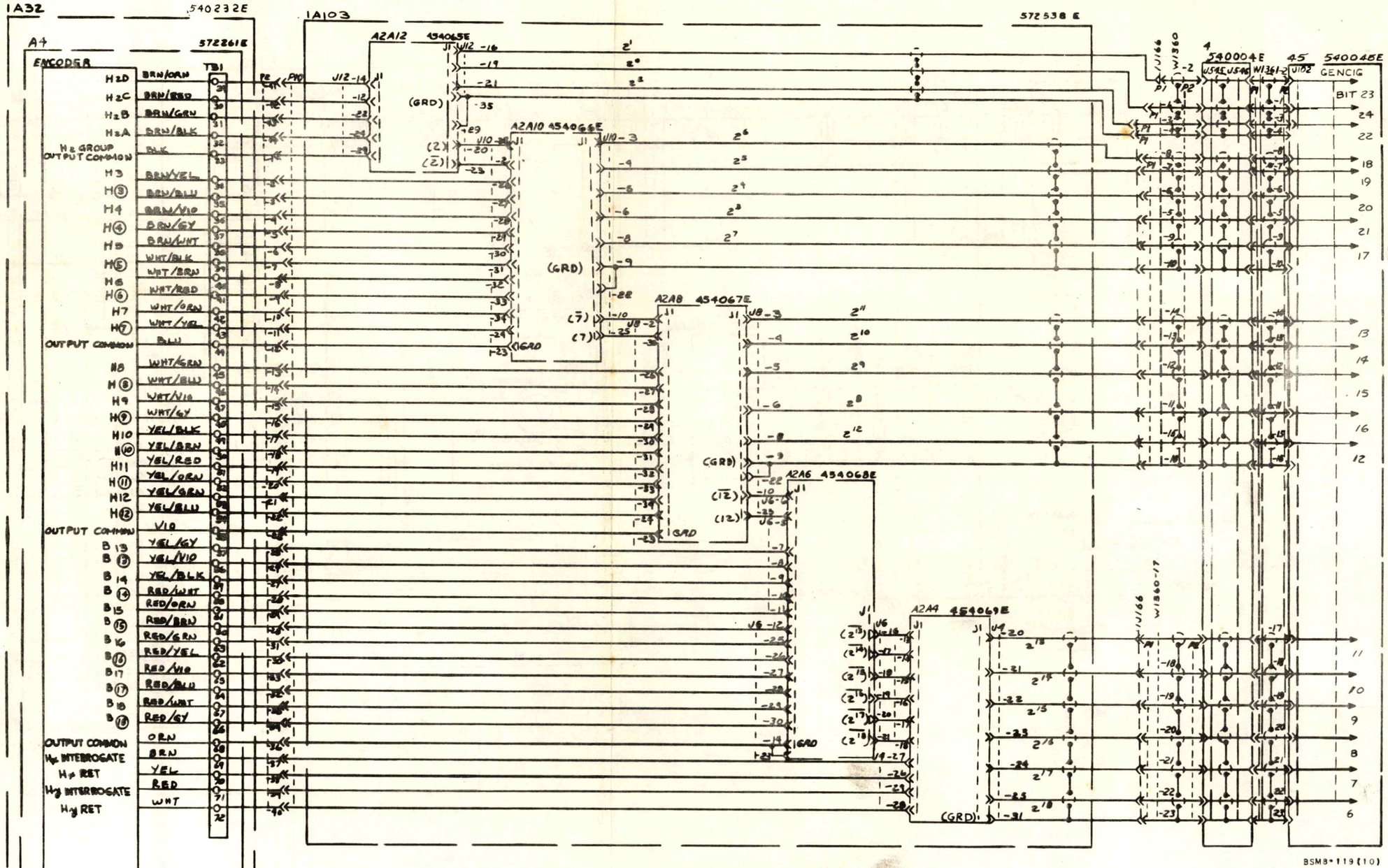
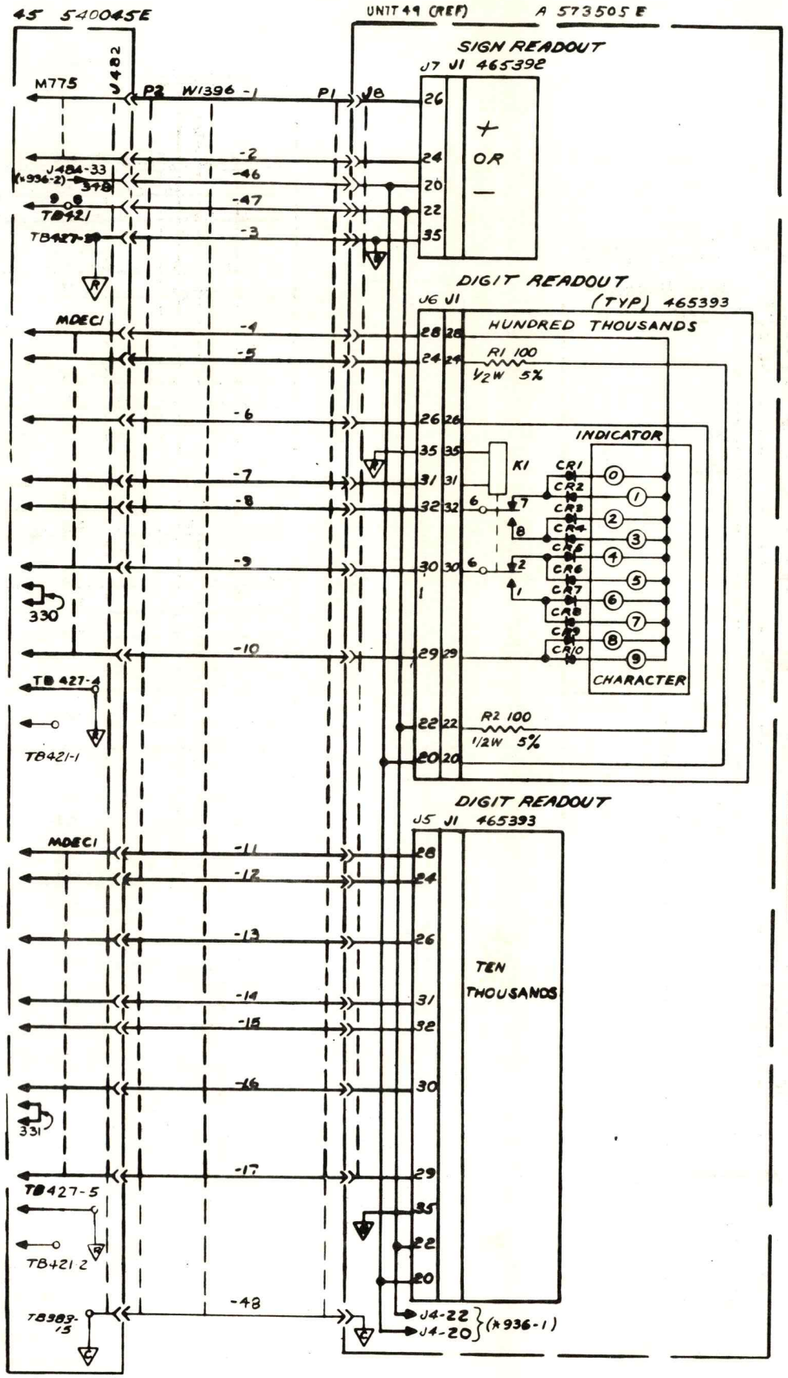
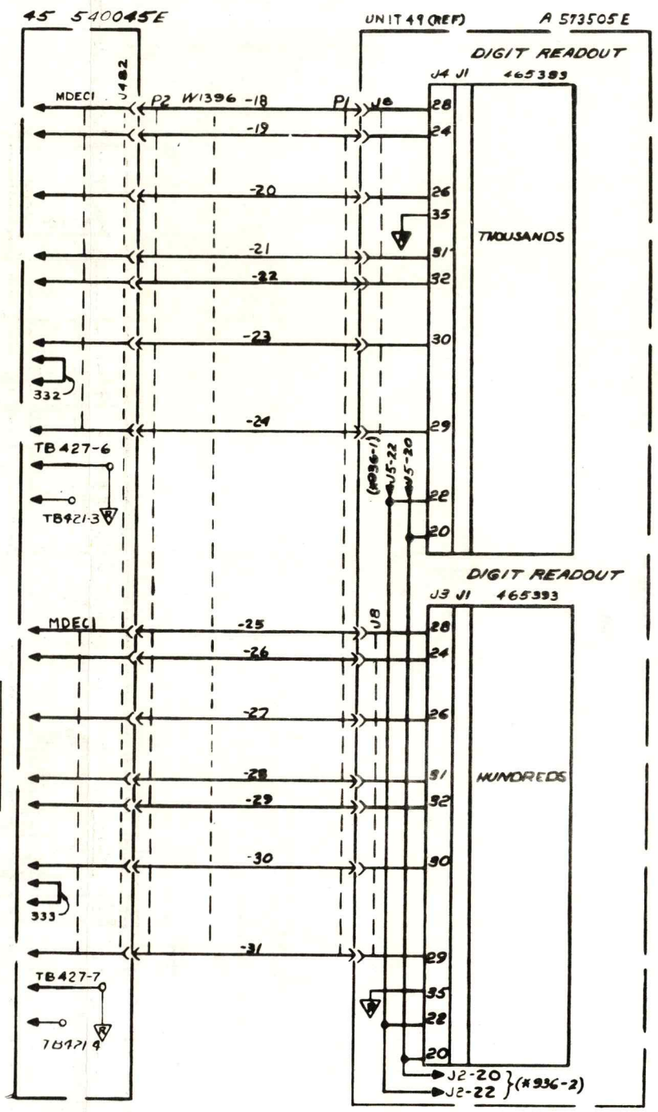


Figure 8-119. CDU Trunnion Shaft and Middle, Outer, Inner Gimbal (Sheet 10 of 10)



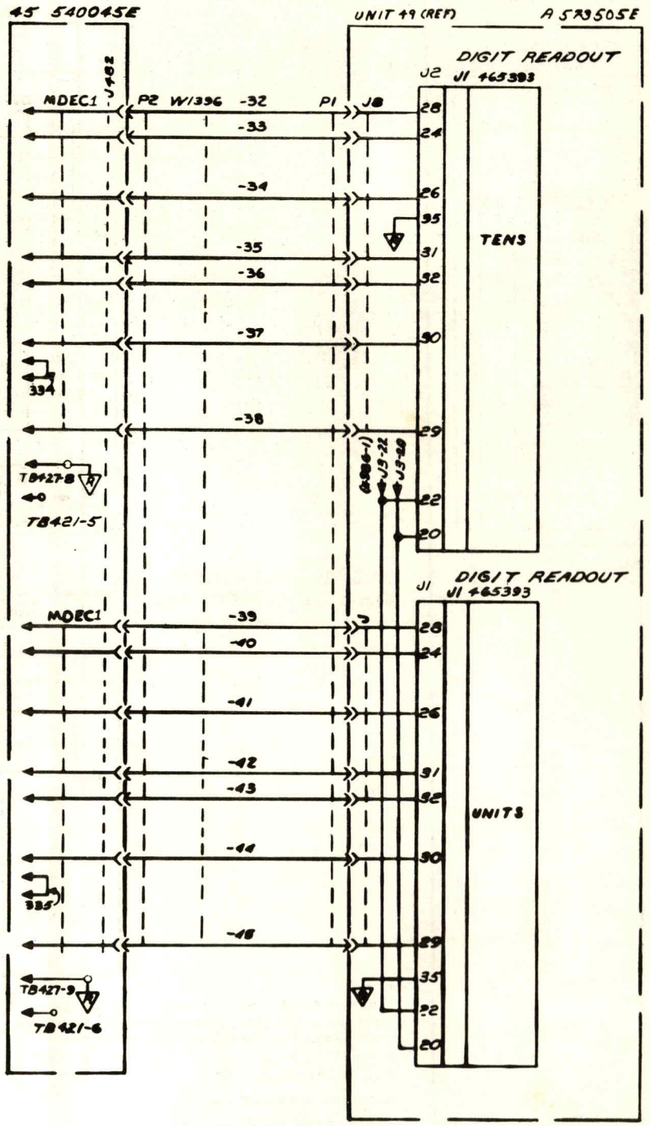


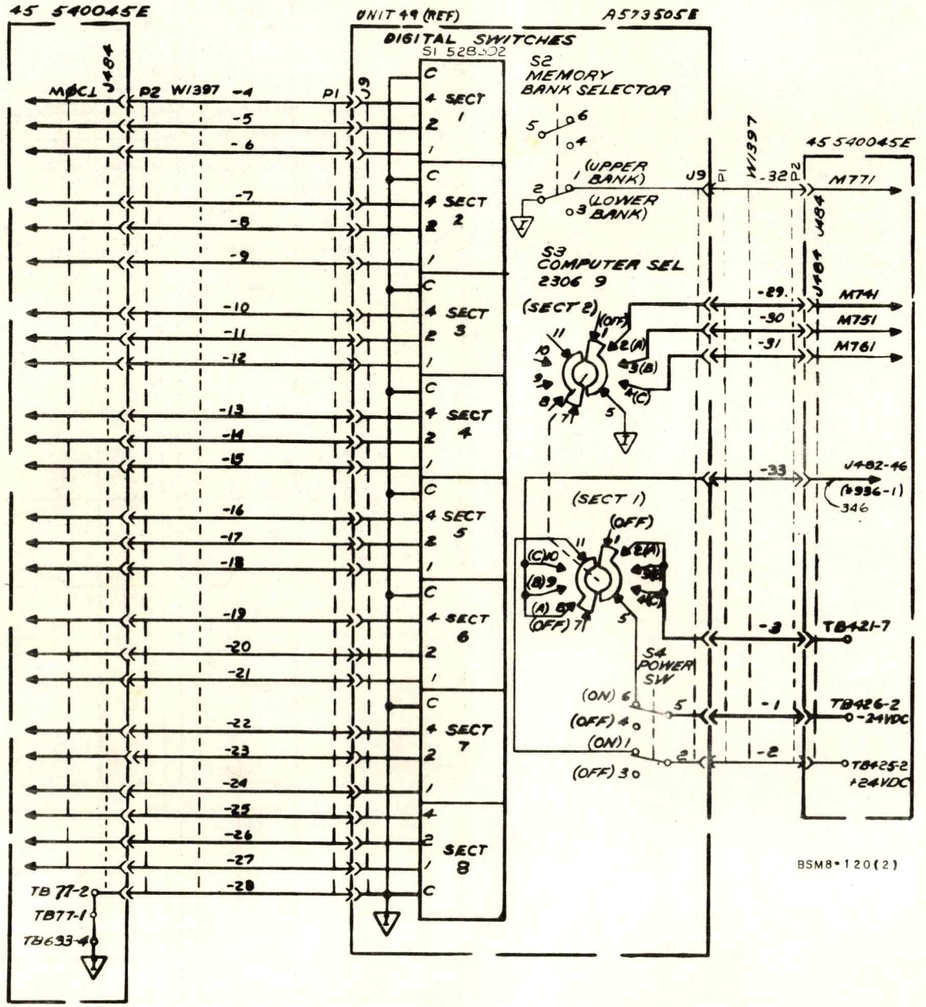
ENG. DWG. NO.	HDBK. FIG. NO.
564936	8-120

NOTES:
1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. * = SYSTEM DIAGRAM PREFIX WITH 564
3. ▽C = CHASSIS RETURN
4. RELAY RETURN = ▽R
5. ▽I = INTERFACE RETURN

BSM8-120(1)

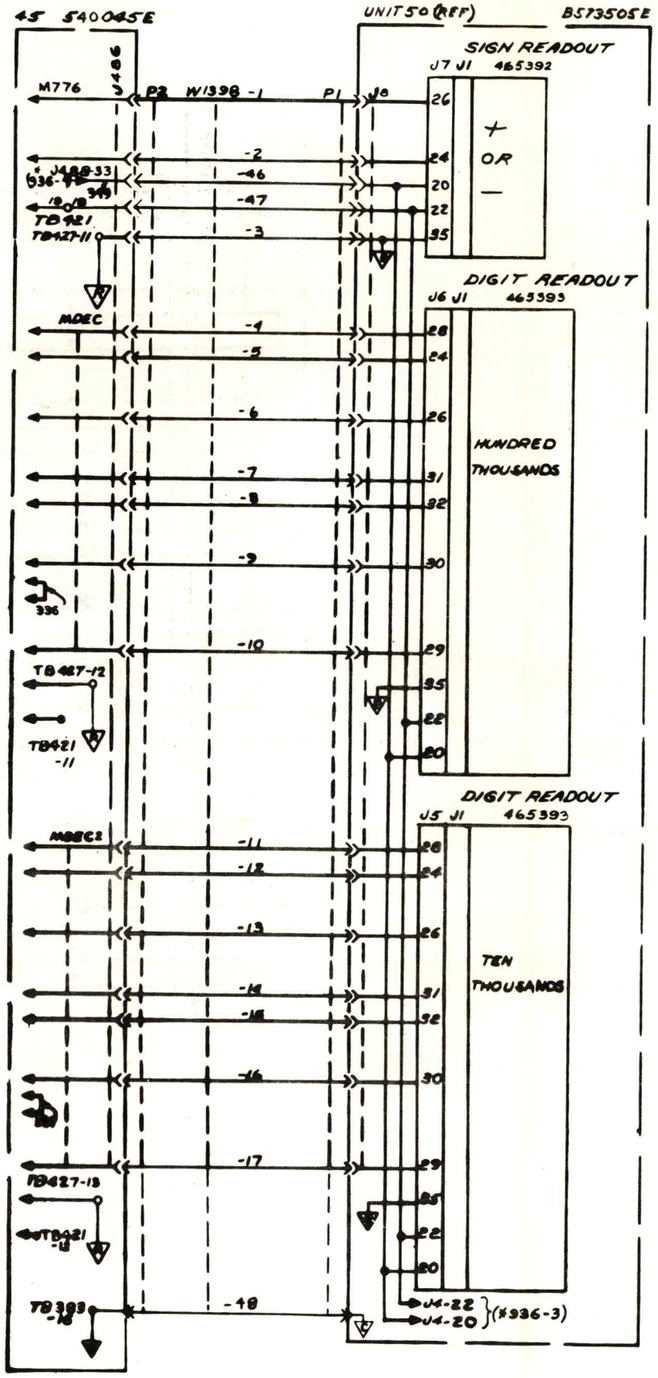
Figure 8-120. Decimal Readout Test Unit (Sheet 1 of 6)

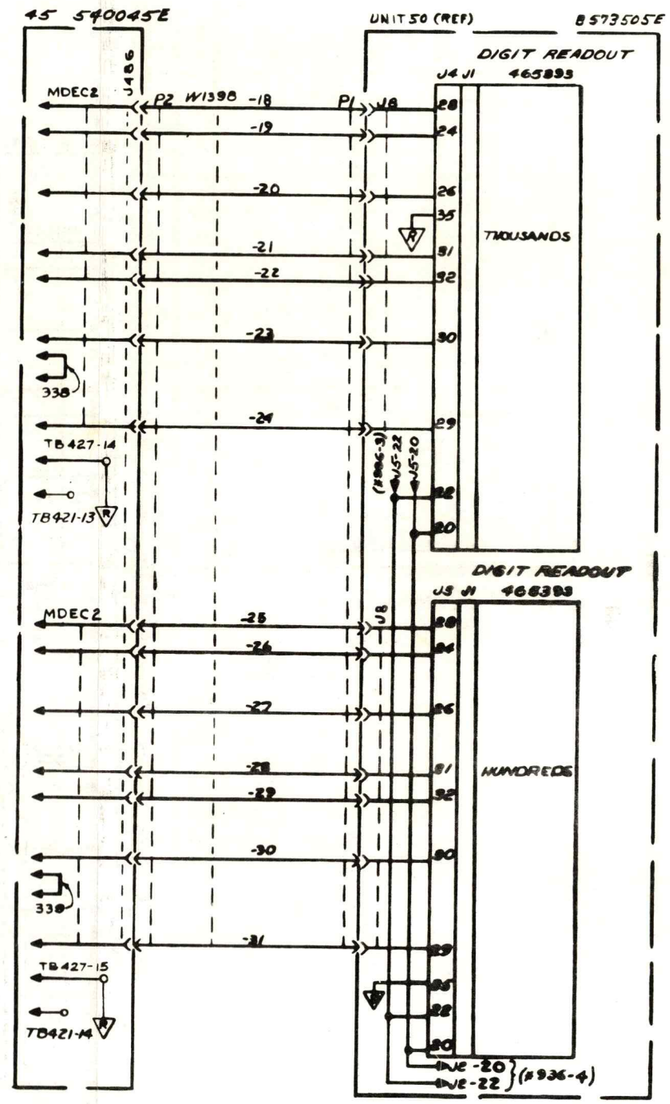




REFER TO SHEET 1 FOR NOTES

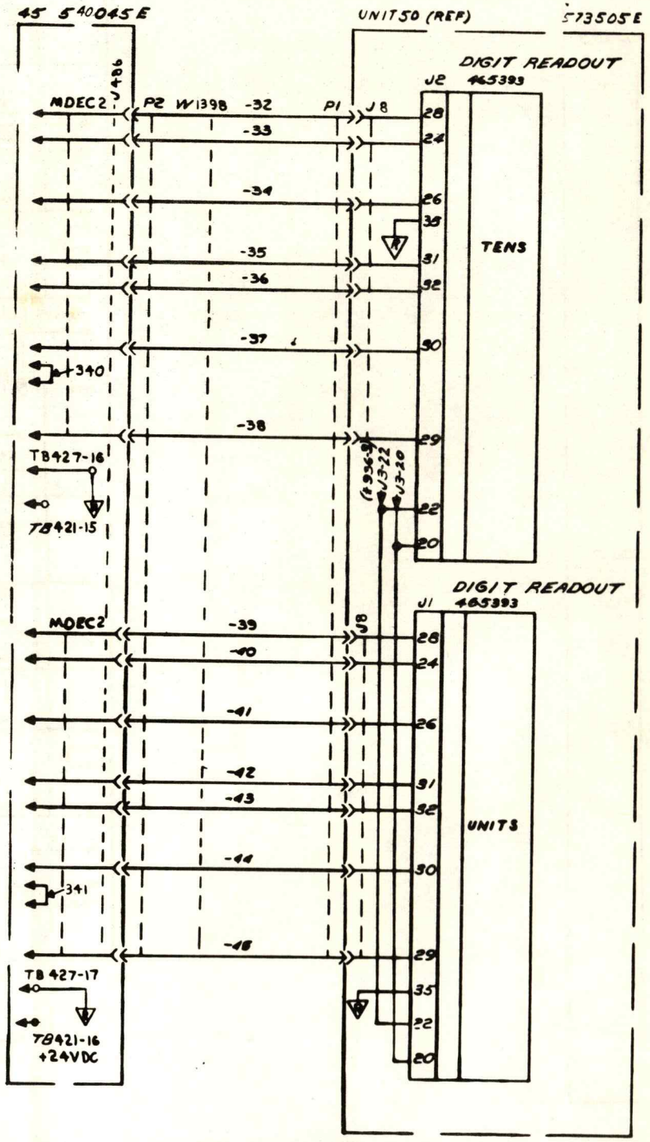
Figure 8-120. Decimal Readout Test Unit (Sheet 2 of 6)

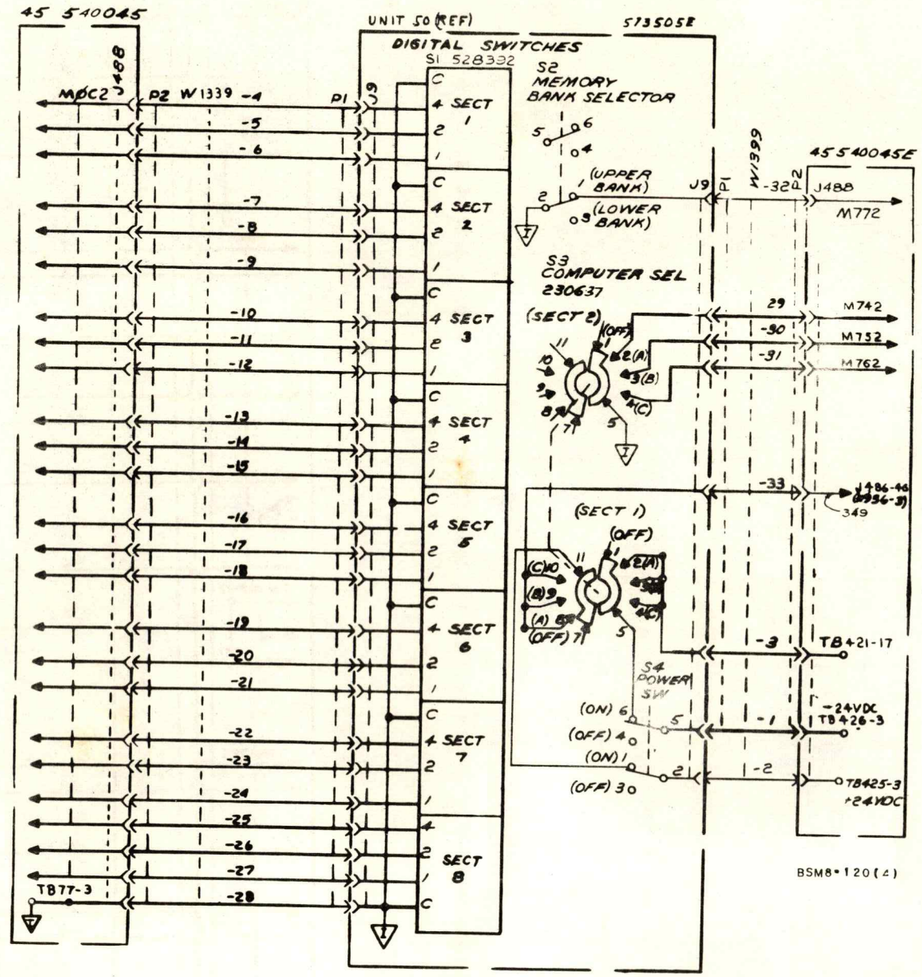




REFER TO SHEET 1 FOR NOTES

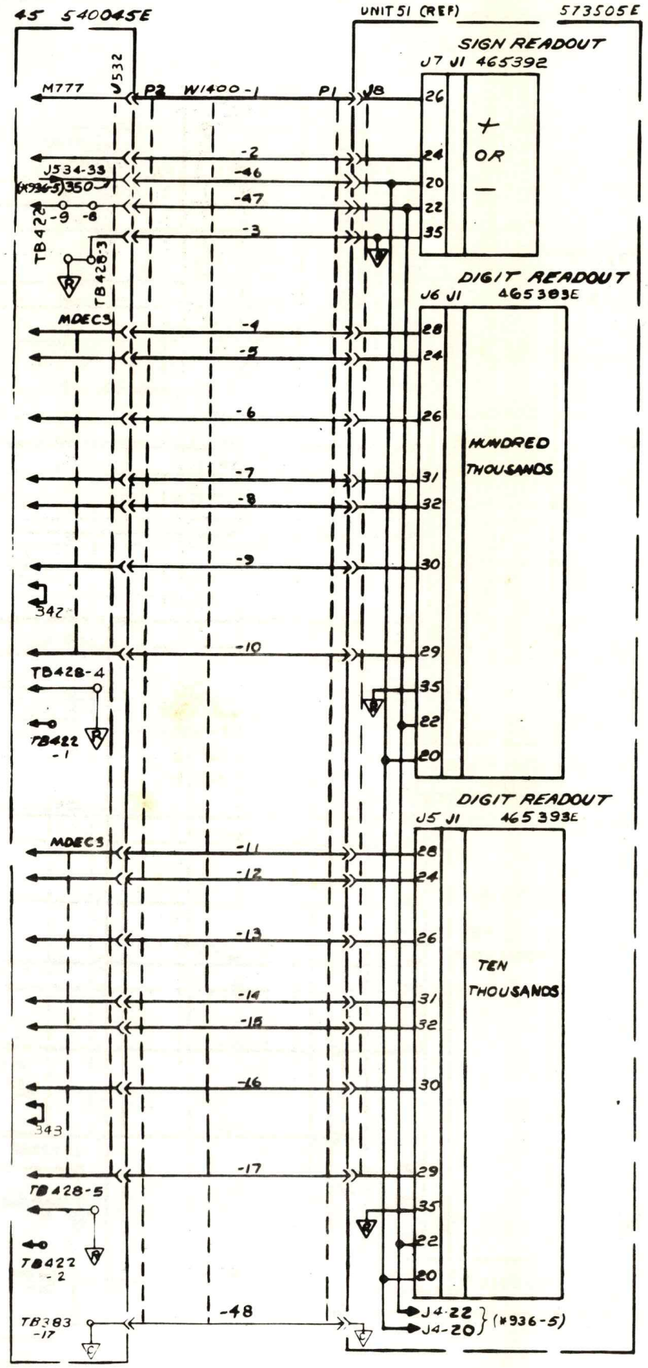
Figure 8-120. Decimal Readout Test Unit (Sheet 3 of 6)

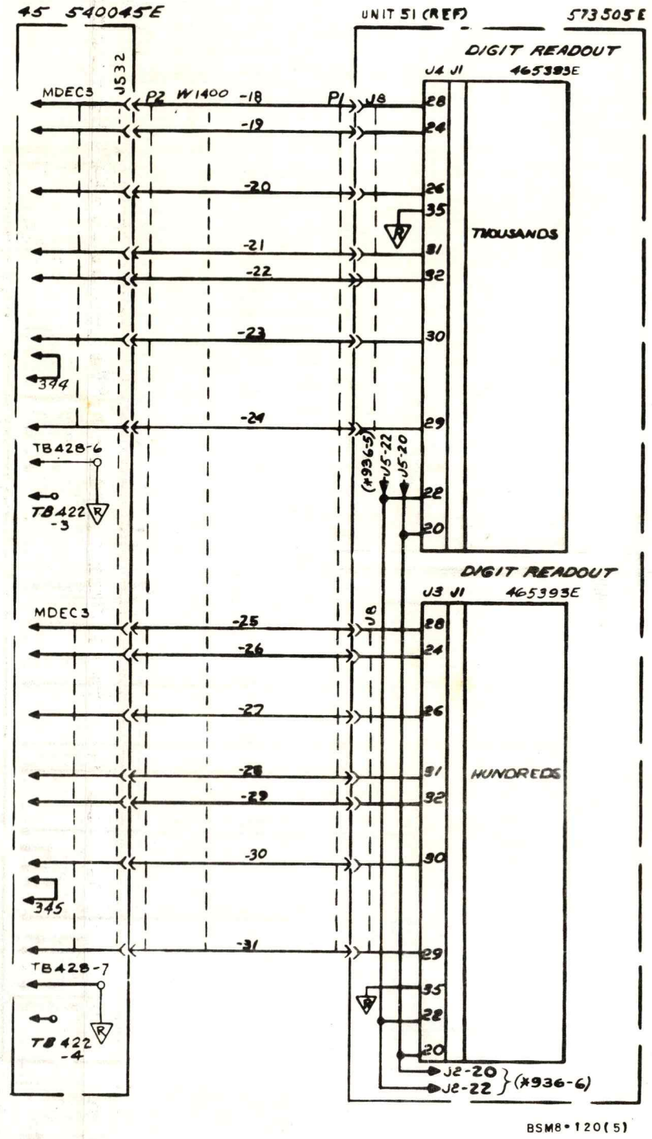




REFER TO SHEET 1 FOR NOTES

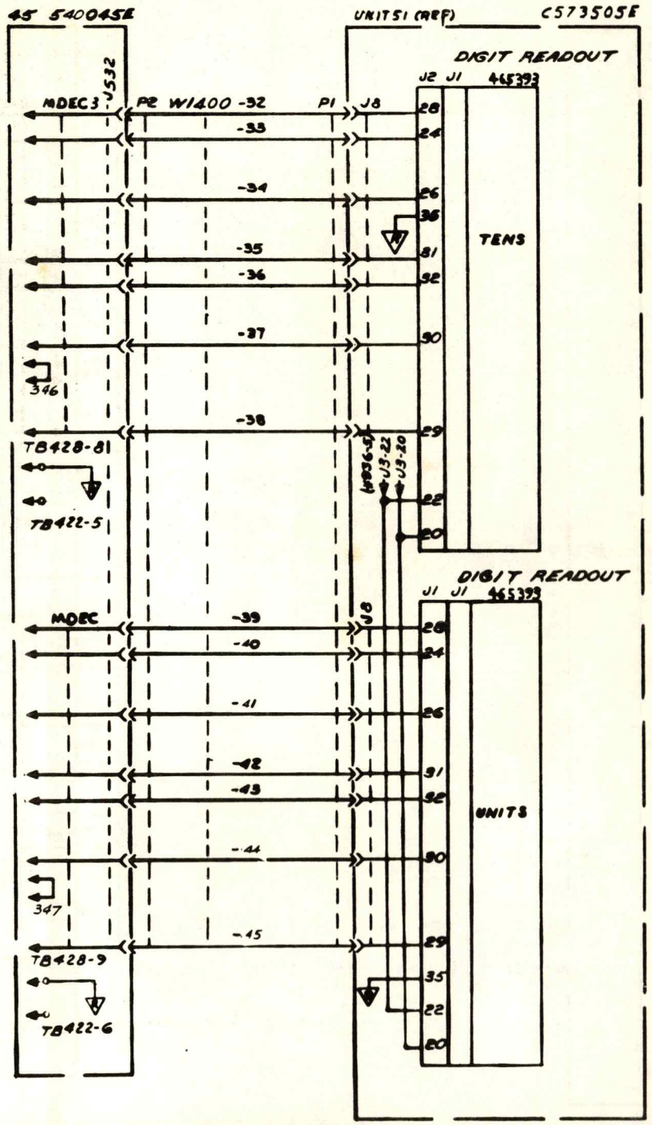
Figure 8-120. Decimal Readout Test Unit (Sheet 4 of 6)

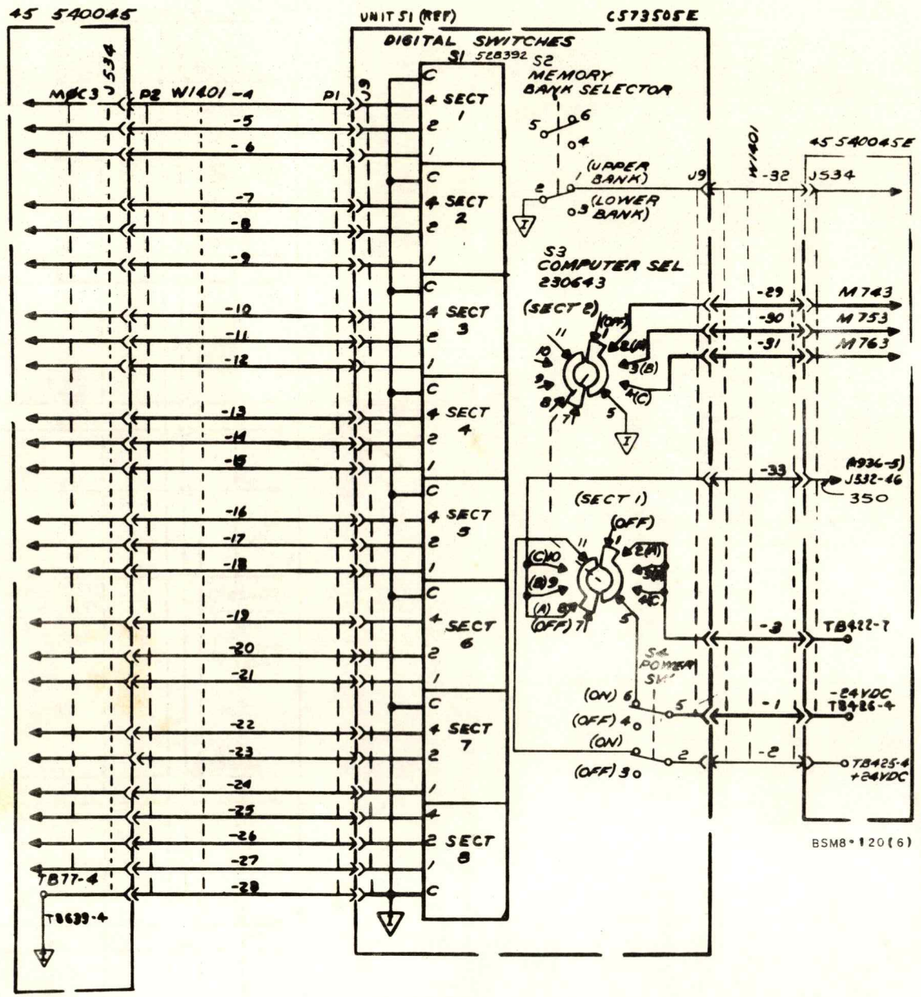




REFER TO SHEET 1 FOR NOTES

Figure 8-120. Decimal Readout Test Unit (Sheet 5 of 6)





REFER TO SHEET 1 FOR NOTES

Figure 8-120. Decimal Readout Test Unit (Sheet 6 of 6)

NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. **SYSTEM DIAGRAM PREFIX WITH B 564
3. (D) = DC RETURN

ENG. DWG. NO.	HDBK. FIG. NO.
564937	8-121

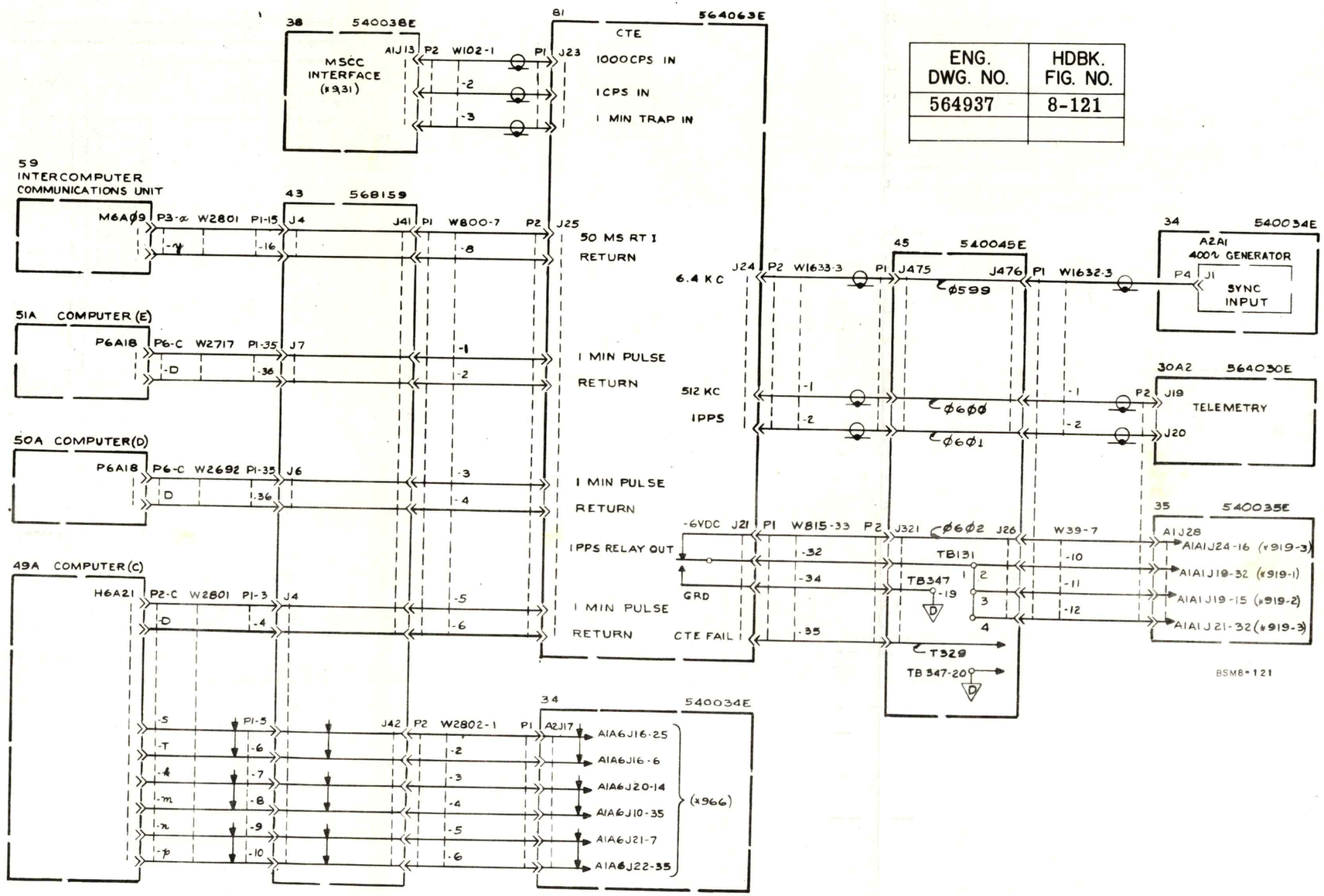
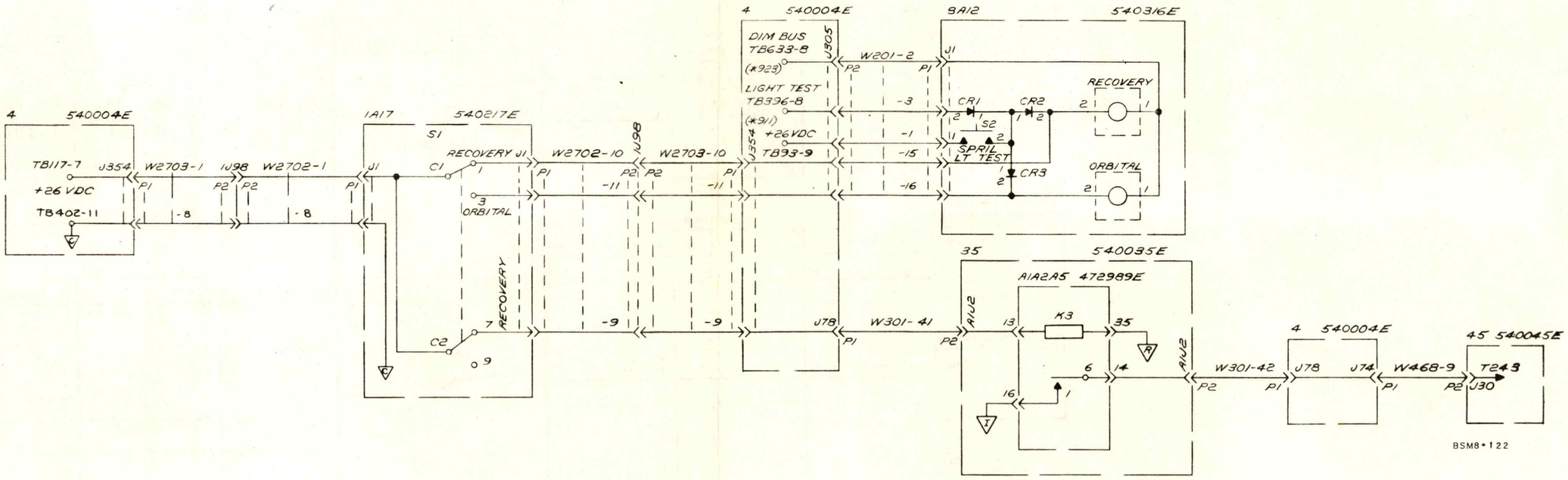


Figure 8-121. Control Timing Equipment



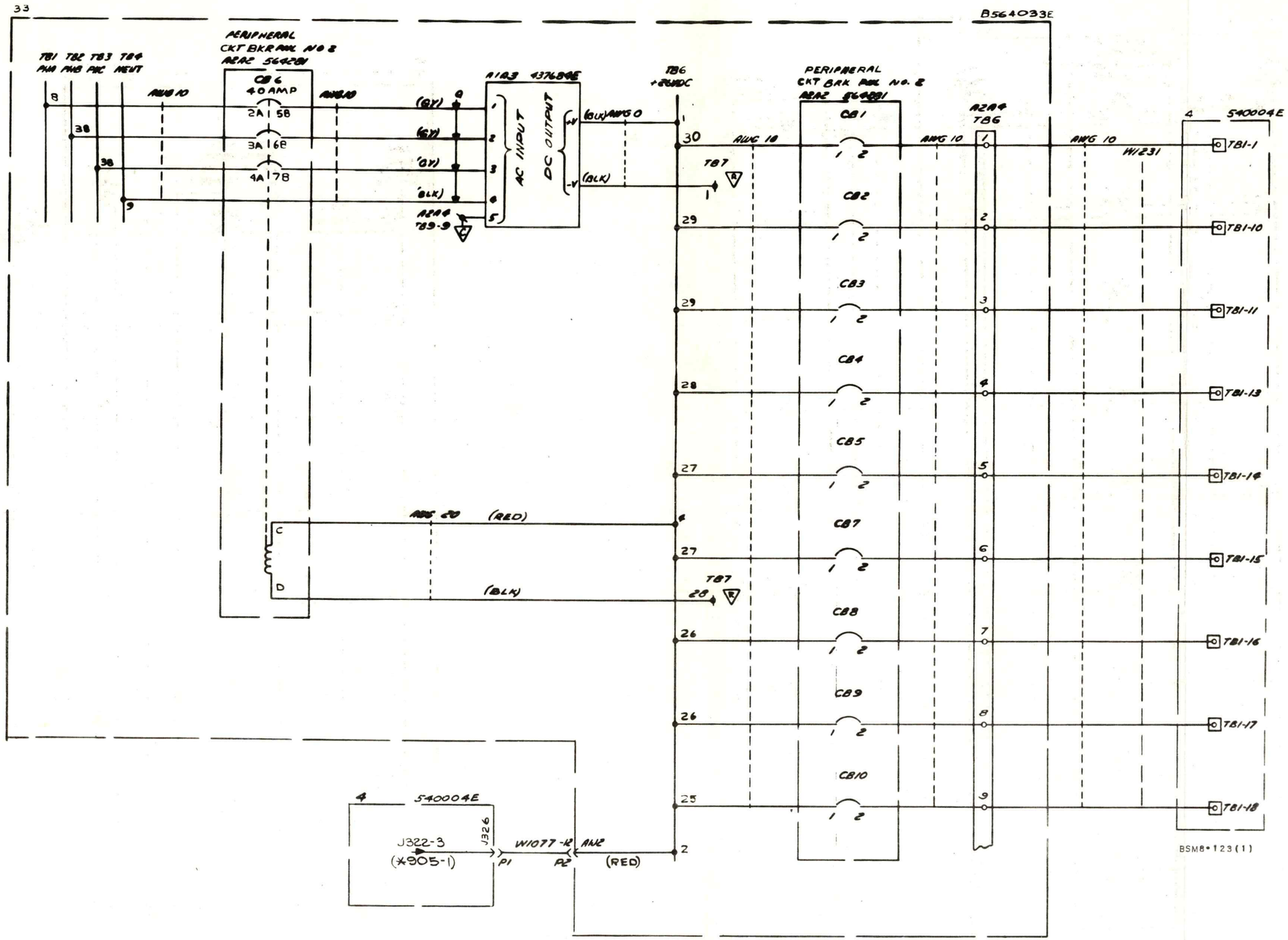
NOTES:

1. UNLESS OTHERWISE NOTED:
   ALL WIRE AWG 22
   ALL WIRE WHITE
2. IDENTIFY WIRES PER STD SHOP PRACTICE 7.10.3.7
3. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATIONS WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
4. C=CHASSIS RETURN
5. *=SYSTEM DIAGRAM PREFIX WITH __564

NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. *=SYSTEM DIAGRAM PREFIX WITH __564
3. C=CHASSIS RETURN
4. S=SIGNAL RETURN
5. R=RELAY RETURN
6. D=D.C. RETURN
7. 6=60 RETURN
8. 4=400 RETURN
9. 4S=400 SIGNAL RETURN
10. I=INTERFACE RETURN

Figure 8-122. HF Antenna Control System

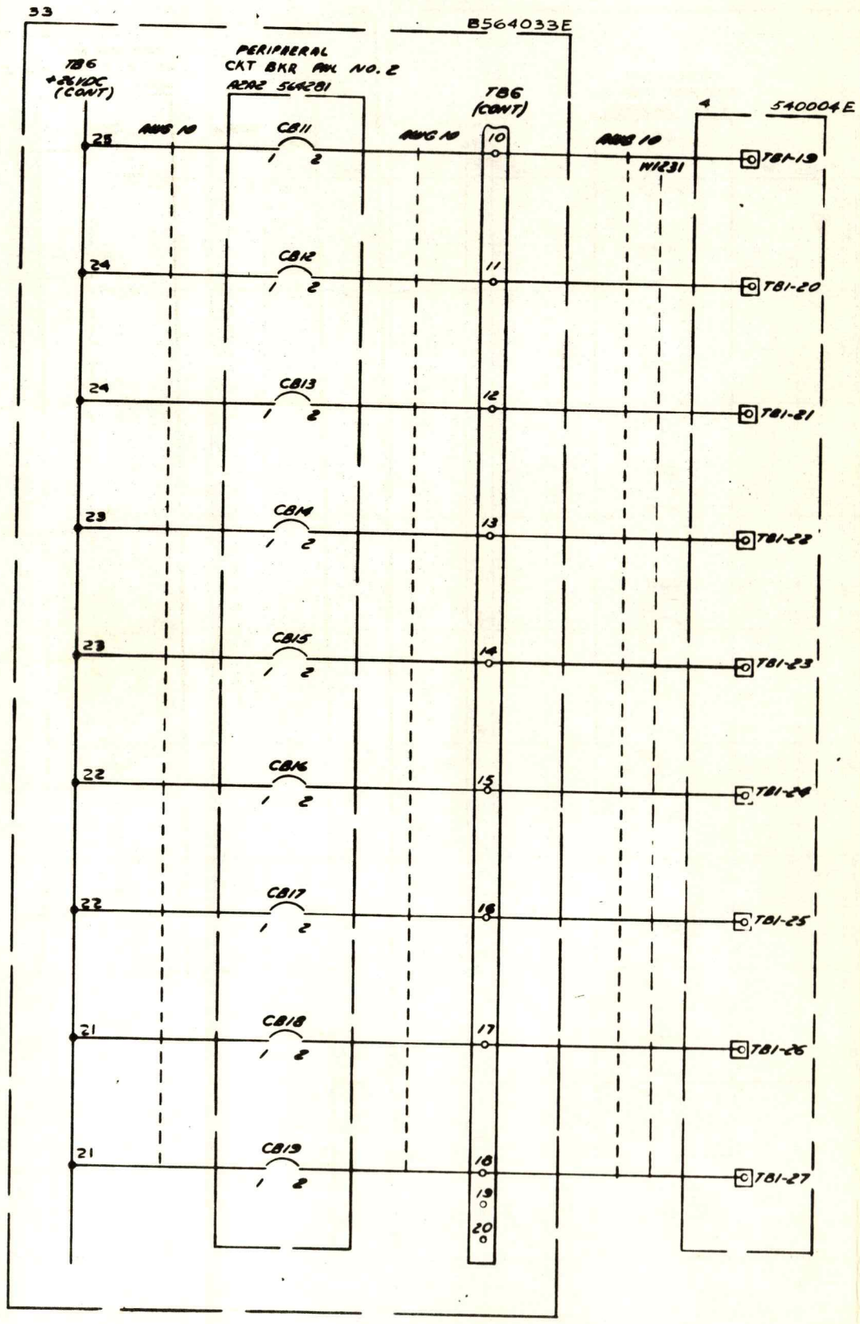


UNLESS OTHERWISE NOTED

1. ALL WIRE RED
2. ALL CRT BRK 5 AMP
3. ▽R = 26VDC RETURN
4. ▽C = CHASSIS RETURN

ENG. DWG. NO.	HDBK. FIG. NO.
564941	8-123

Figure 8-123. Power - 26 VDC Power Distribution (Sheet 1 of 3)



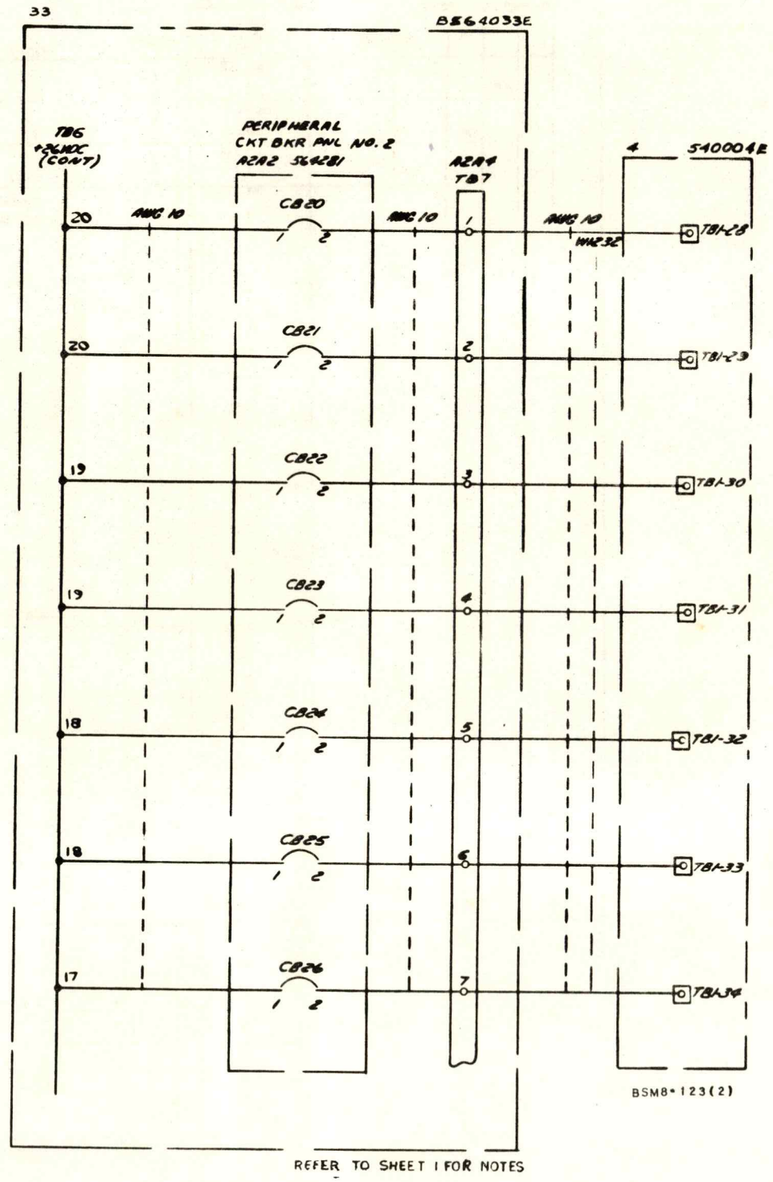
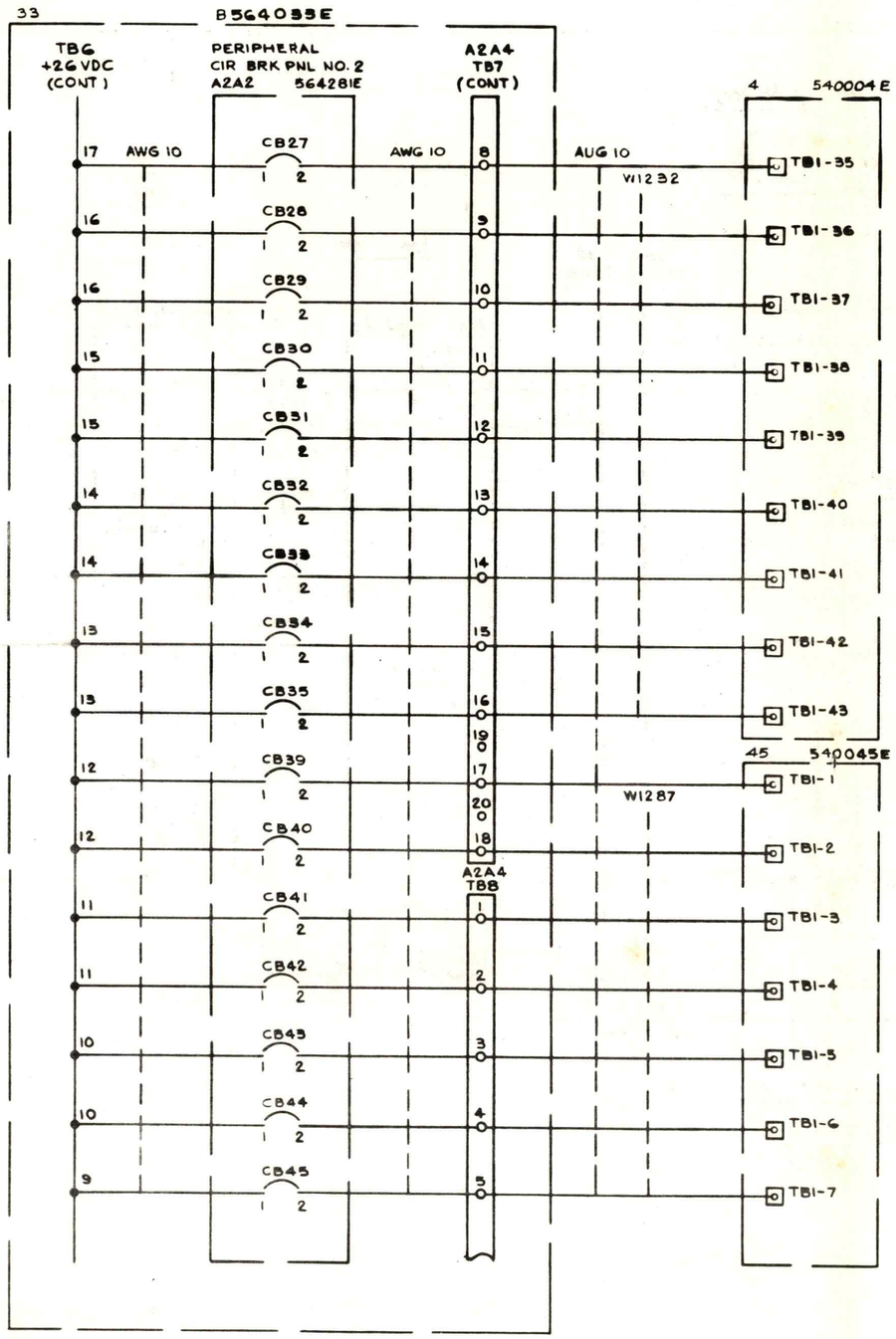
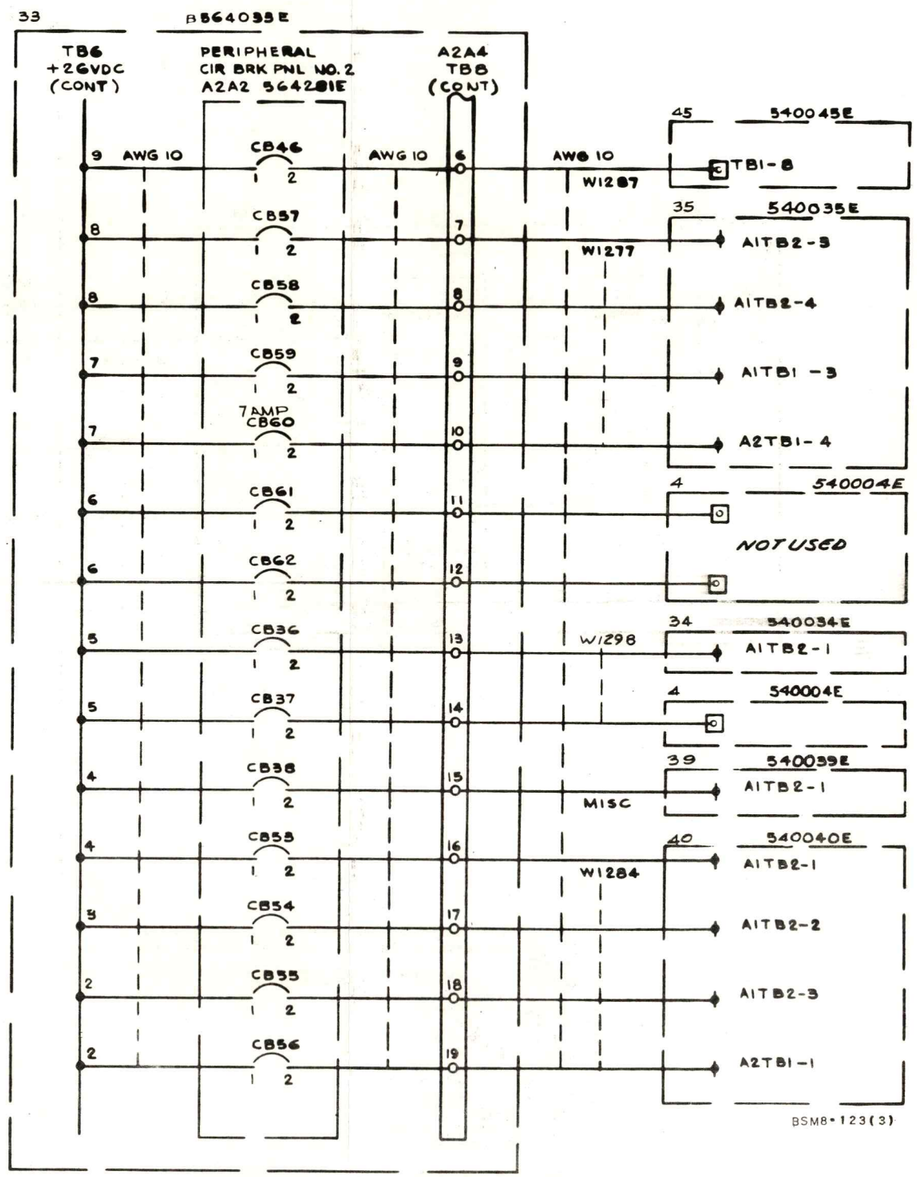


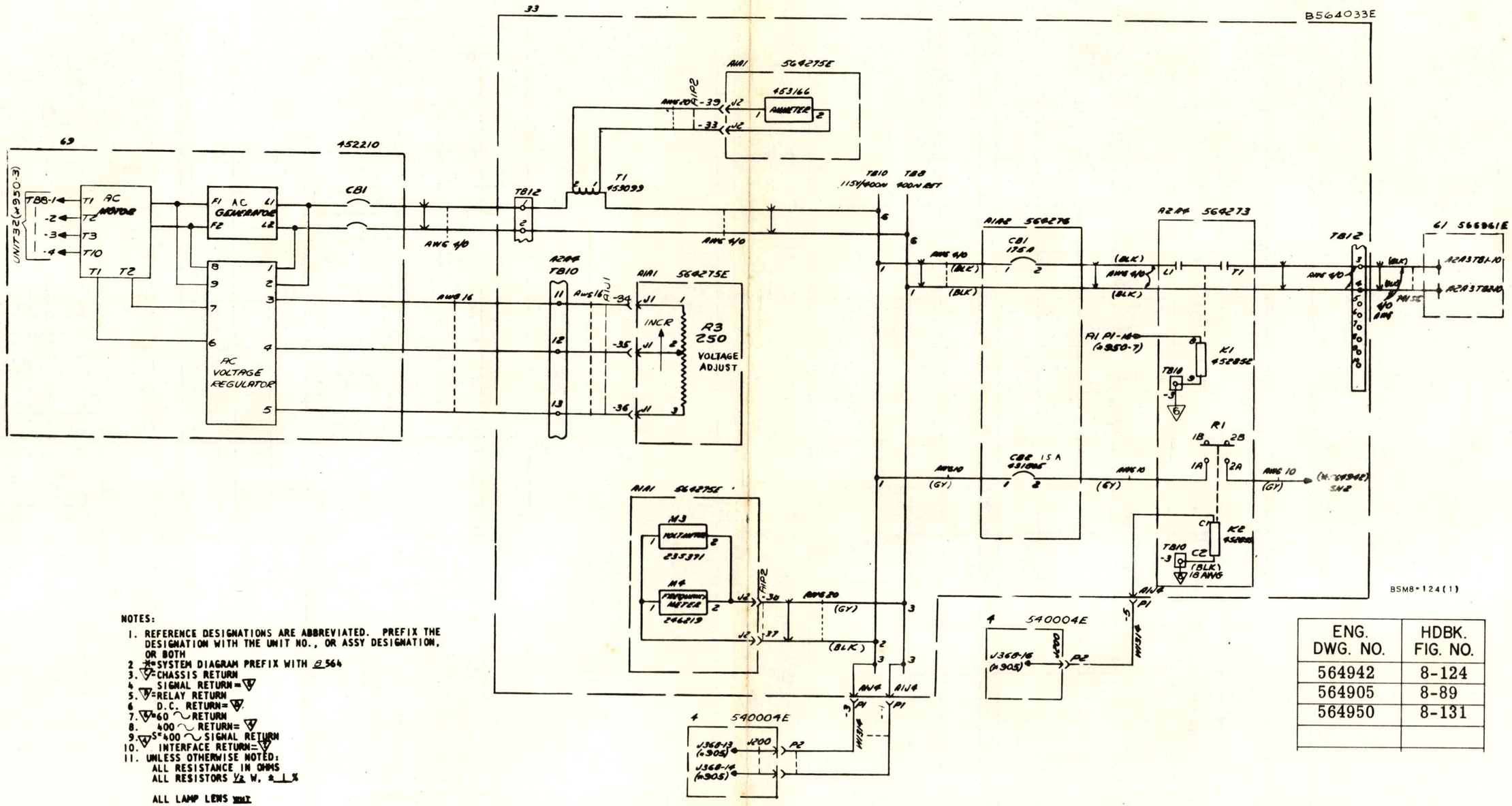
Figure 8-123. Power - 26 VDC Power Distribution (Sheet 2 of 3)





REFER TO SHEET I FOR NOTES

Figure 8-123. Power - 26 VDC Power Distribution (Sheet 3 of 3)



NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. #=SYSTEM DIAGRAM PREFIX WITH #564
3. ▽=CHASSIS RETURN
4. SIGNAL RETURN=▽
5. ▽=RELAY RETURN
6. D.C. RETURN=▽
7. ▽=60 ⌒ RETURN
8. 400 ⌒ RETURN=▽
9. ▽ S=400 ⌒ SIGNAL RETURN
10. INTERFACE RETURN=▽
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS ½ W, ± 1 %

    ALL LAMP LENS RED

ENG. DWG. NO.	HDBK. FIG. NO.
564942	8-124
564905	8-89
564950	8-131

Figure 8-124. 400 Cycle Power Distribution (Sheet 1 of 2)

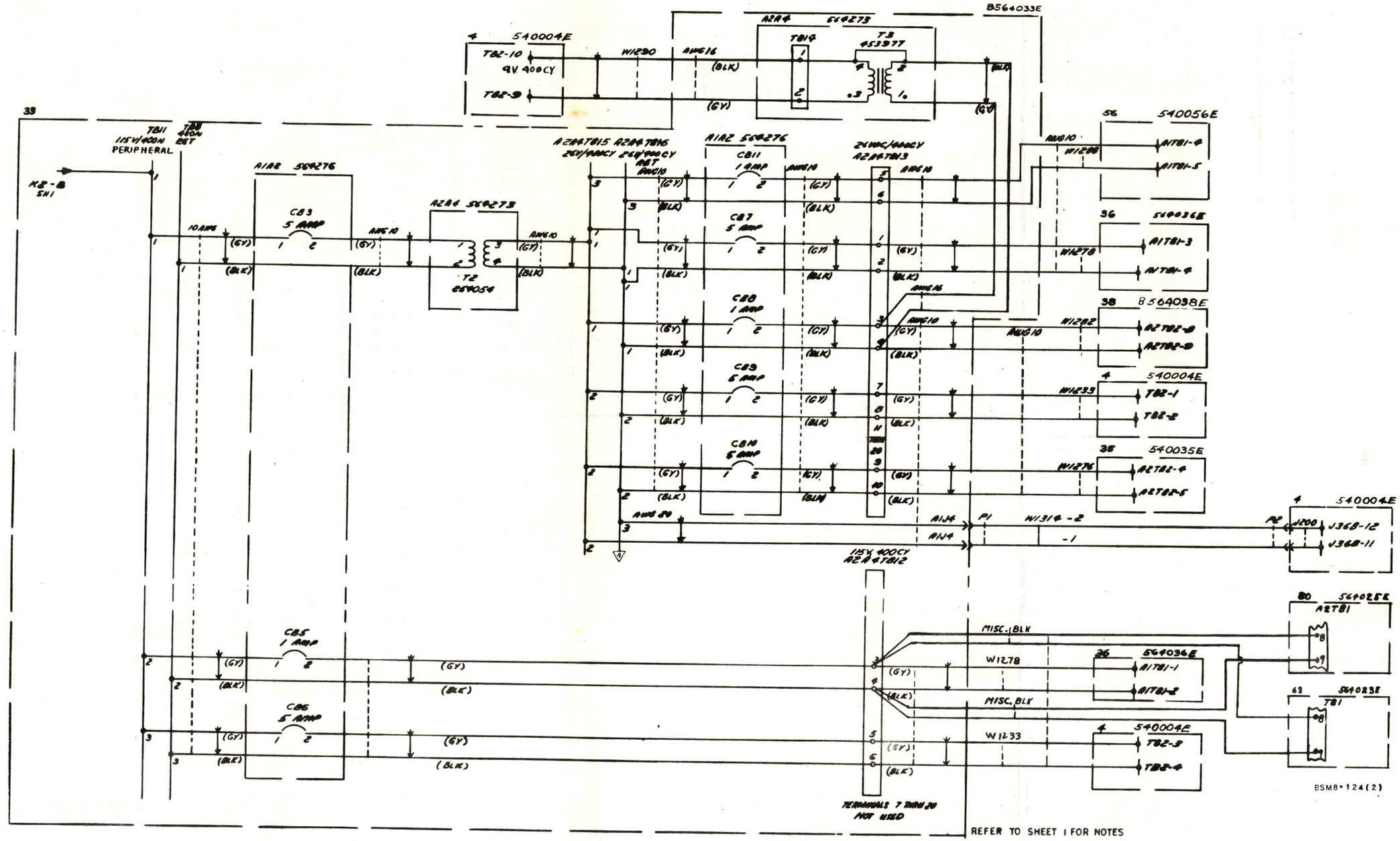
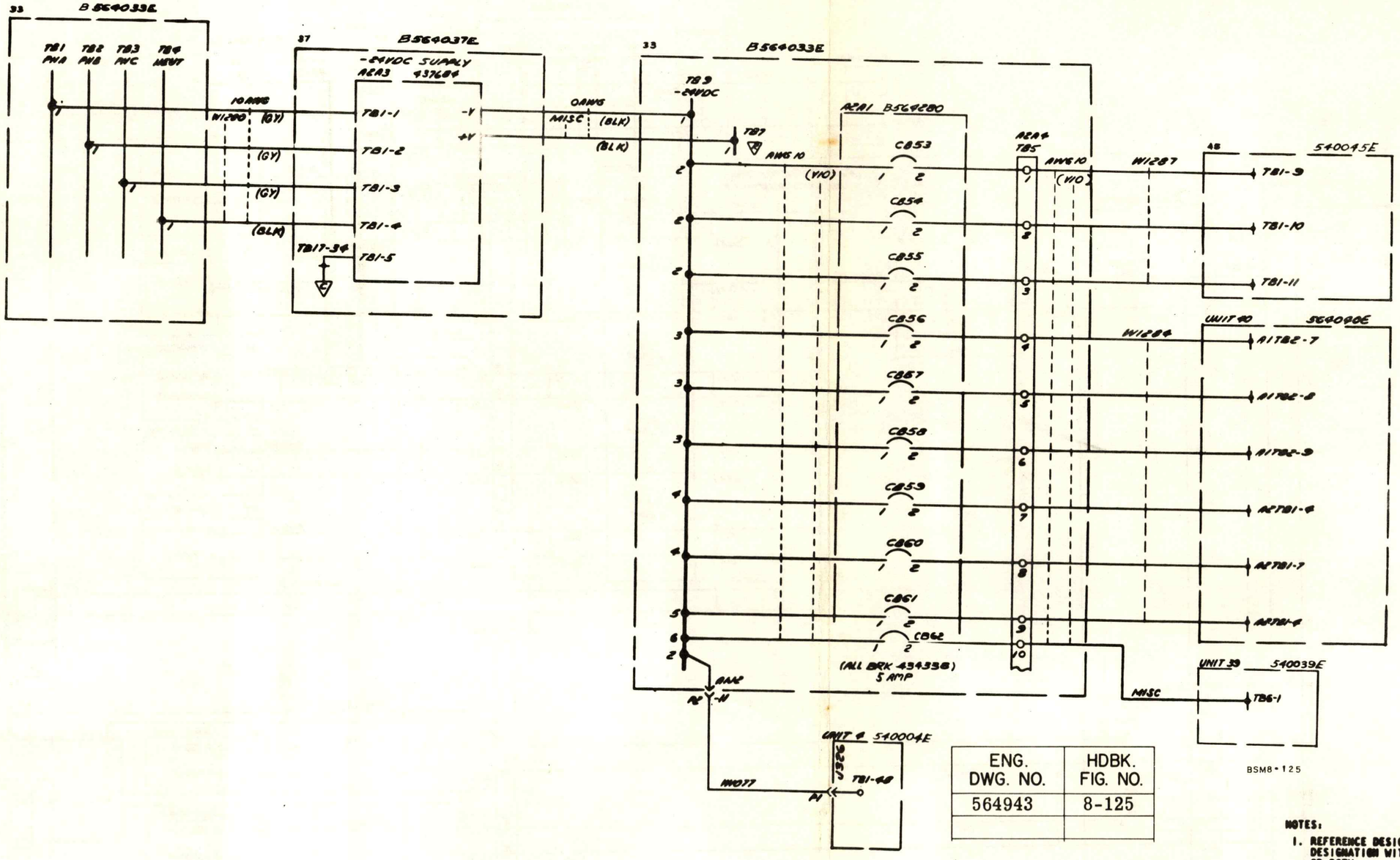


Figure 8-124. 400 Cycle Power Distribution (Sheet 2 of 2)

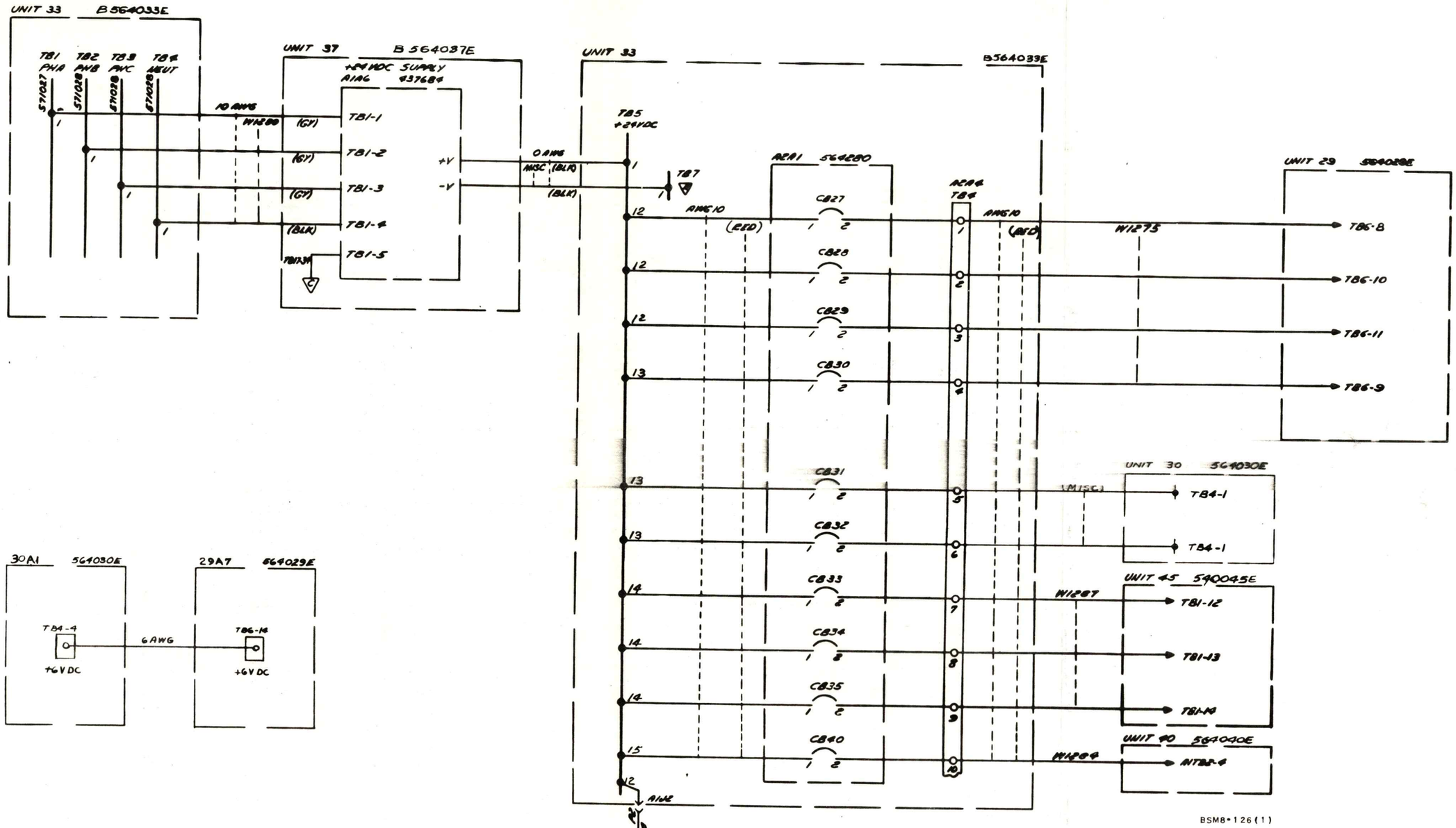


ENG. DWG. NO.	HDBK. FIG. NO.
564943	8-125

NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. #=SYSTEM DIAGRAM PREFIX WITH B564
3. ▽=CHASSIS RETURN
4. SIGNAL RETURN=▽
5. ▽=RELAY RETURN

Figure 8-125. Power - 24 VDC Power Distribution



NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. *SYSTEM DIAGRAM PREFIX WITH 564
3. ▽=CHASSIS RETURN
4. SIGNAL RETURN=▽
5. ▽=RELAY RETURN

ENG. DWG. NO.	HDBK. FIG. NO.
564944	8-126

BSM8•126(1)

Figure 8-126. Power +24 VDC Power Distribution (Sheet 1 of 2)

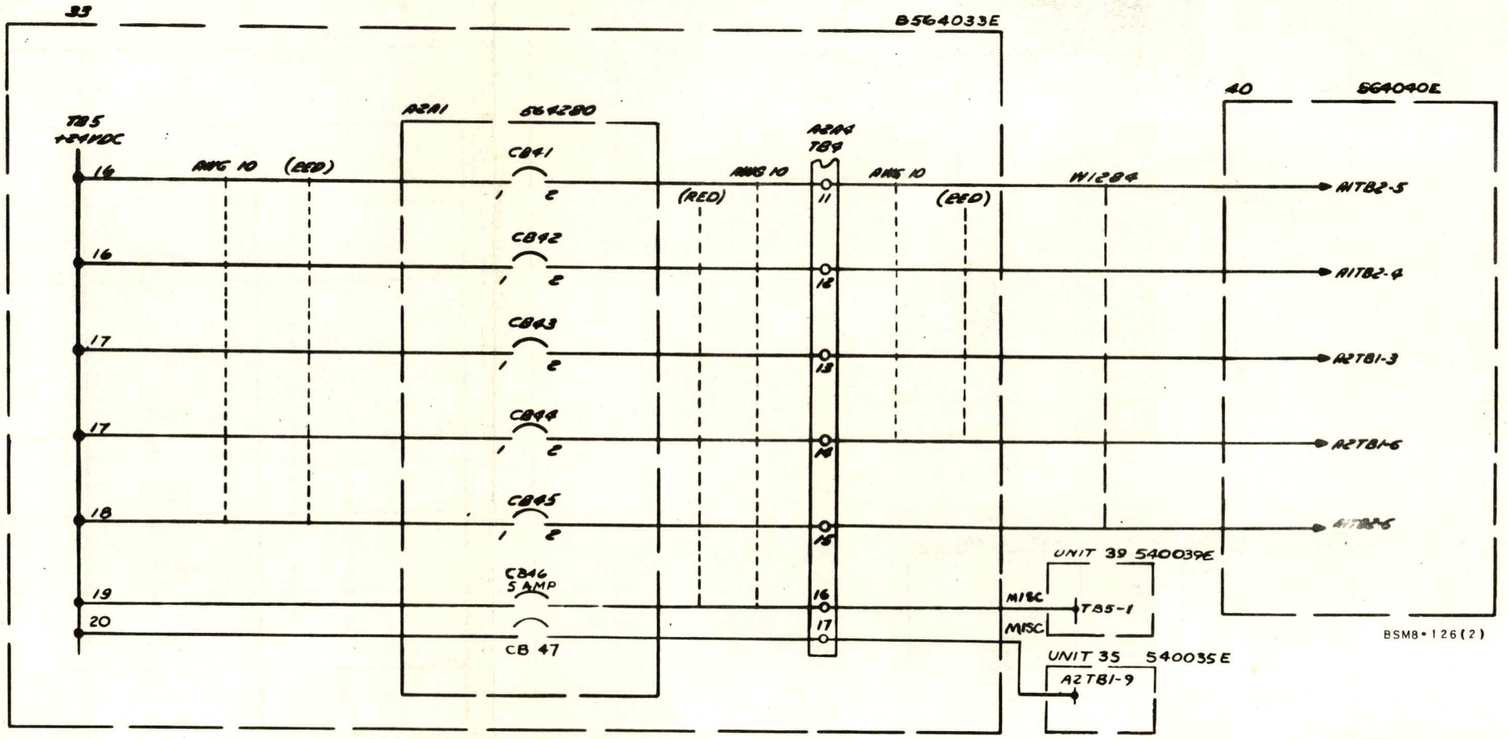
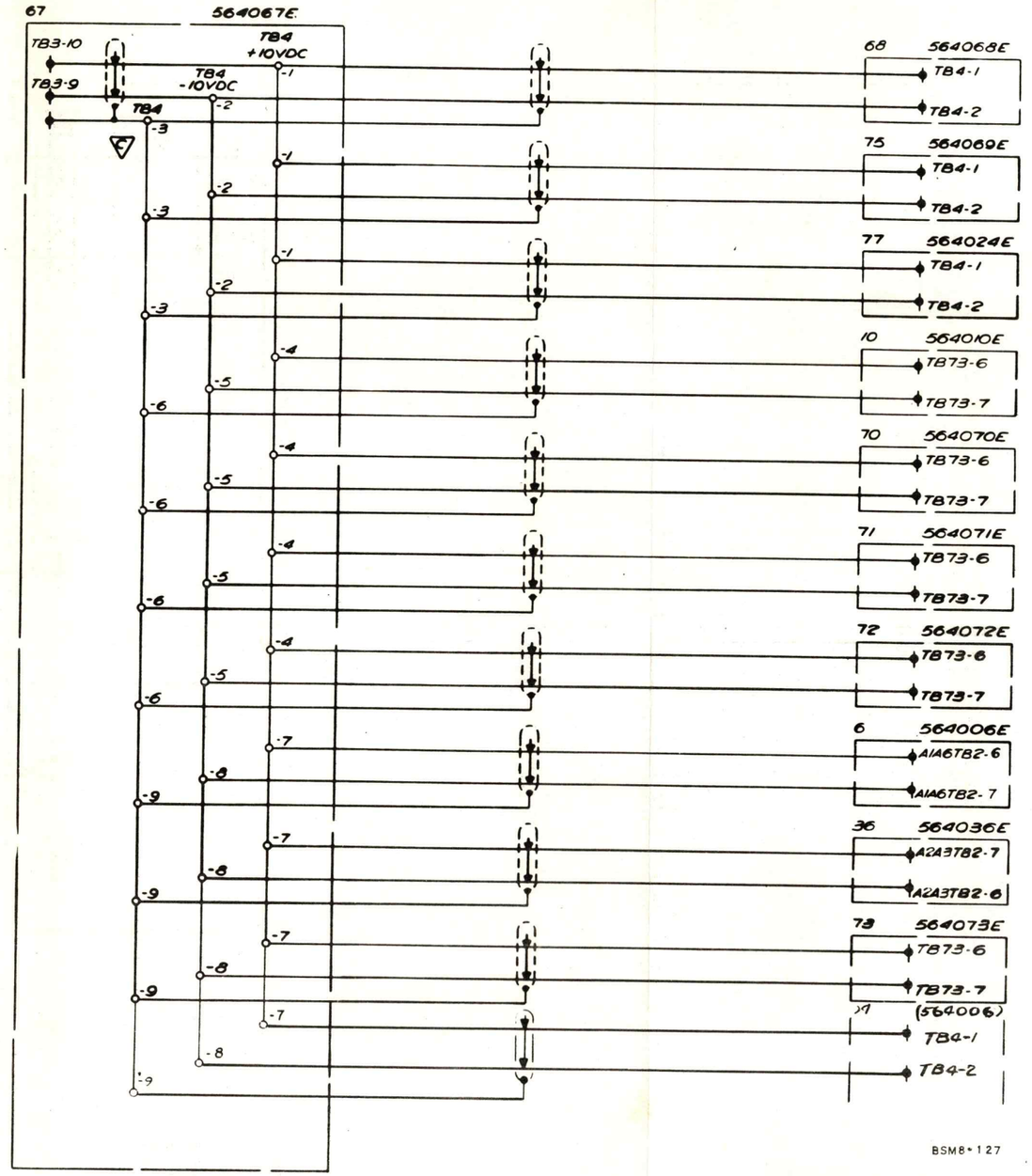


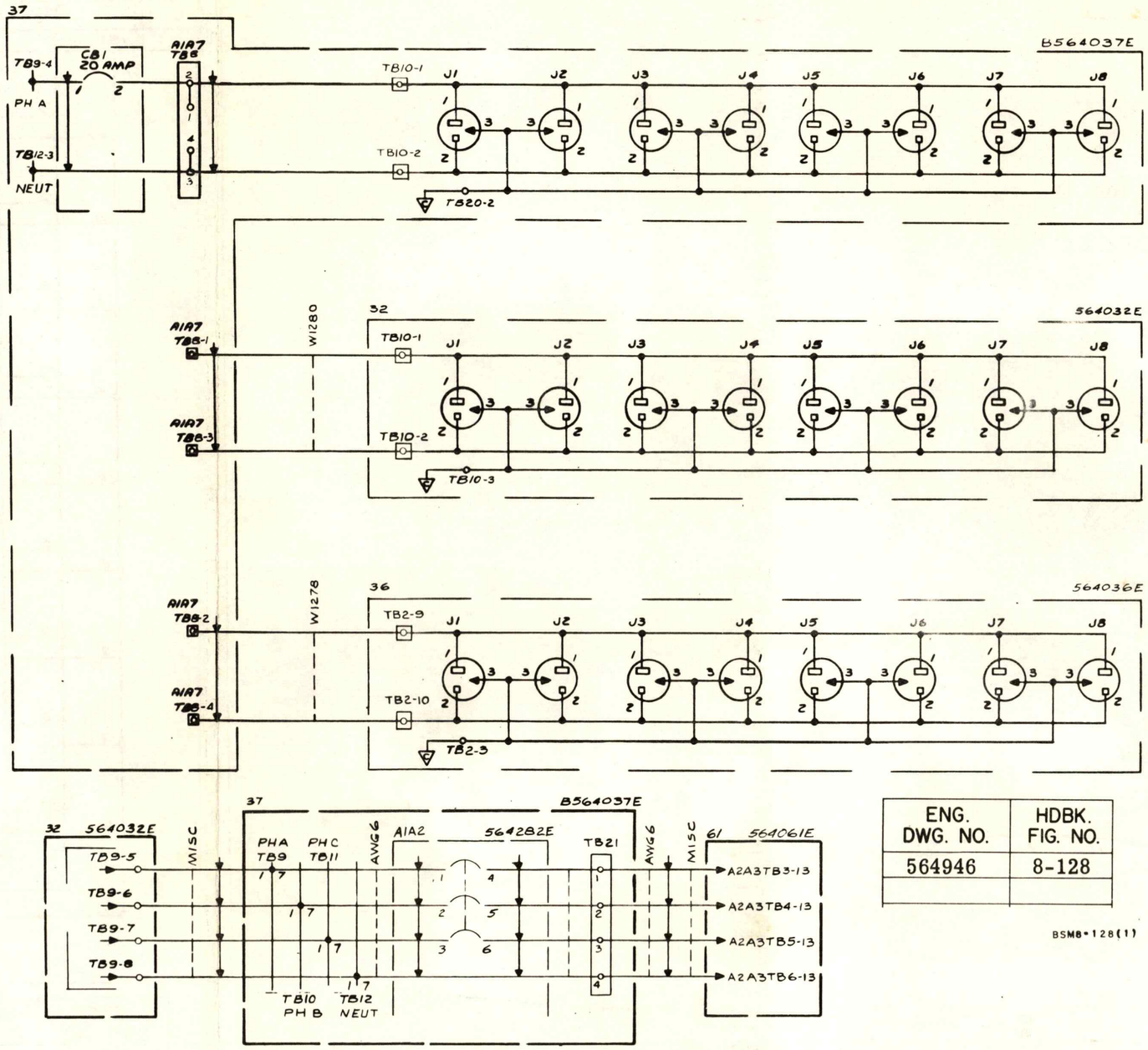
Figure 8-126. Power + 24 VDC Power Distribution (Sheet 2 of 2)



ENG. DWG. NO.	HDBK. FIG. NO.
564945	8-127

NOTES:
1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. C = CHASSIS RETURN

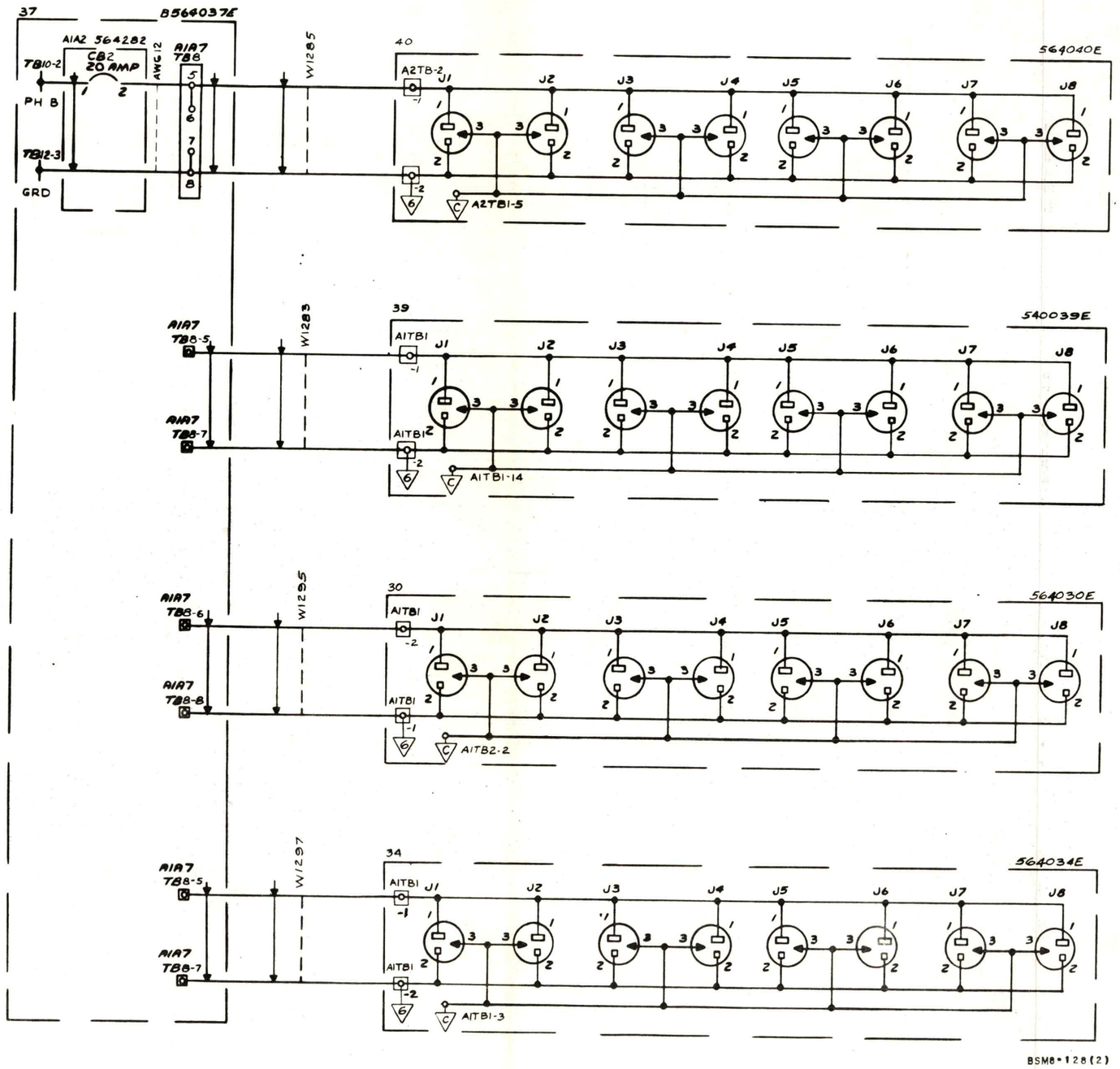
Figure 8-127. Power 115 V, 60 Cycle Power Distribution



ENG. DWG. NO.	HDBK. FIG. NO.
564946	8-128

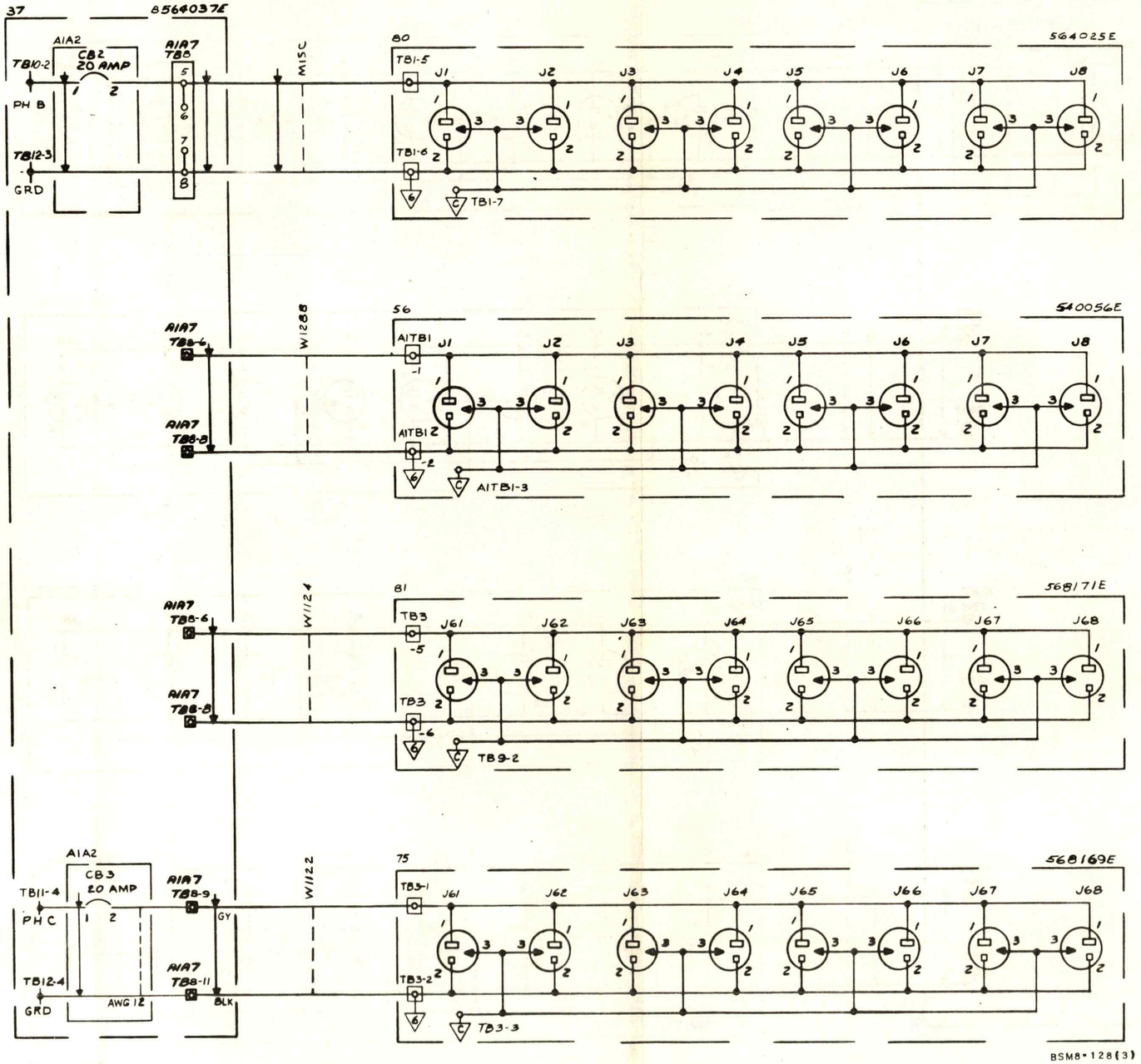
BSM8-128(1)

Figure 8-128. Power Convenience Outlets System Diagram (Sheet 1 of 9)



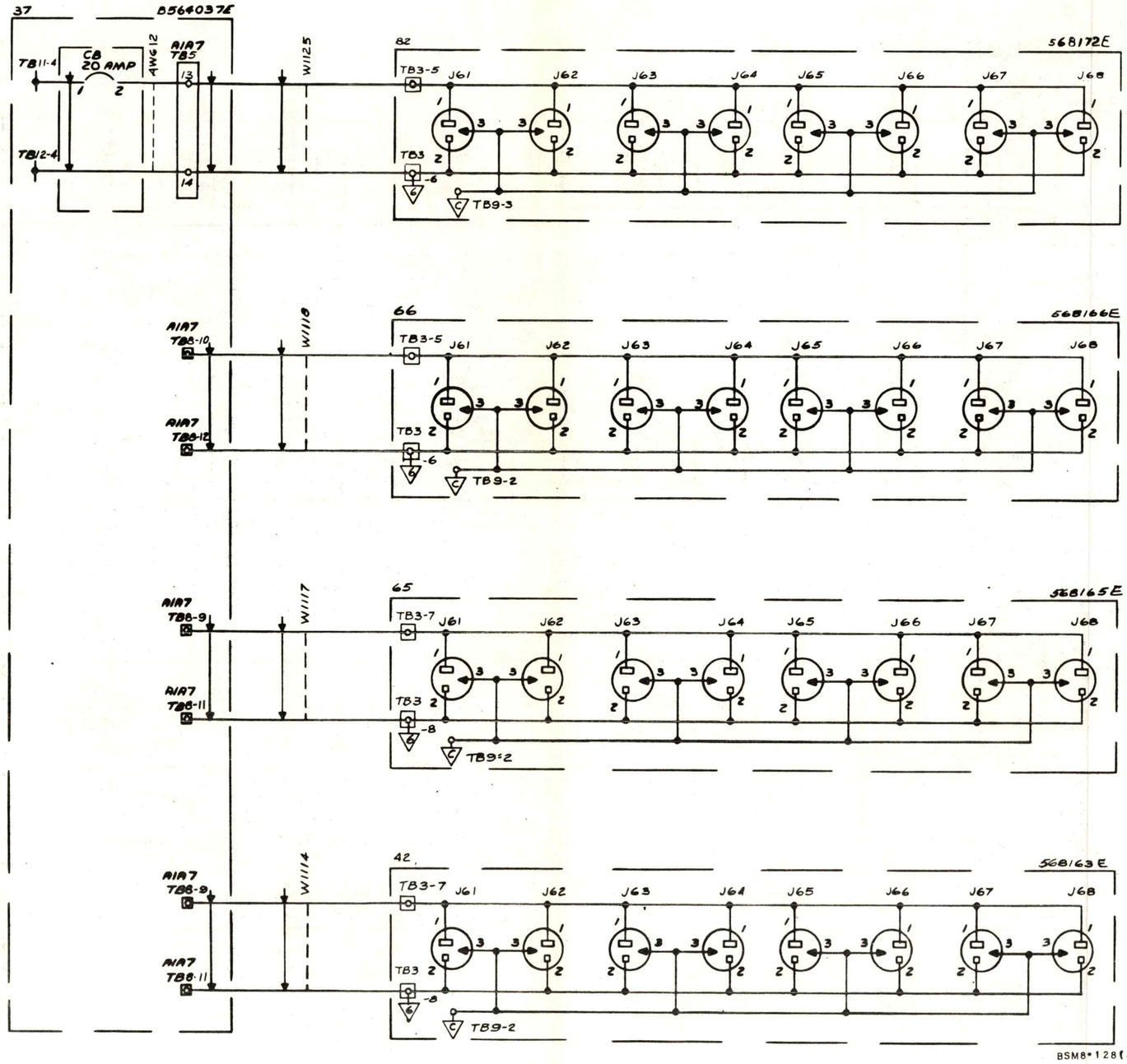
REFER TO SHEET 1 FOR NOTES

Figure 8-128. Power Convenience Outlets System Diagram (Sheet 2 of 9)



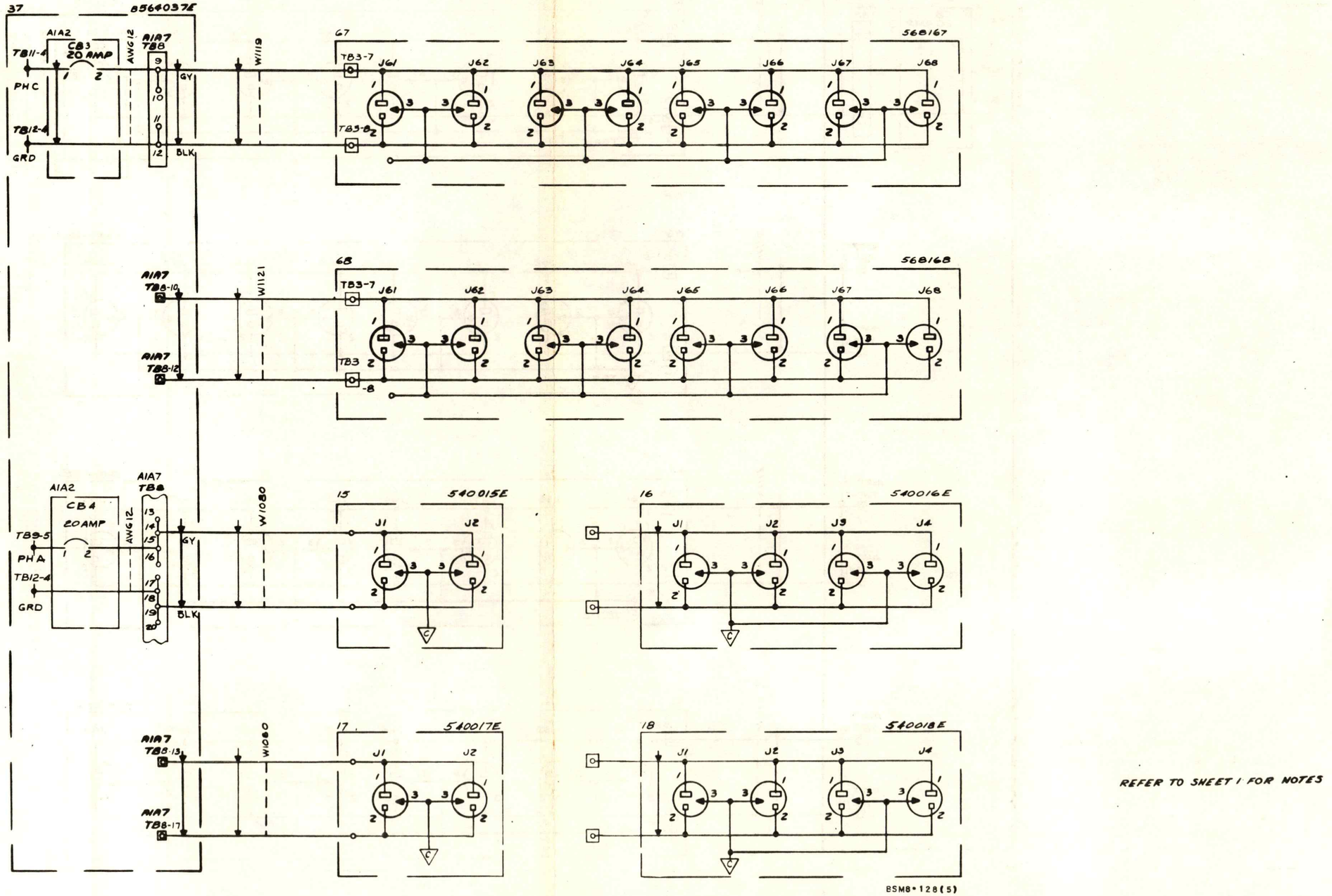
REFER TO SHEET 1 FOR NOTES

Figure 8-128. Power Convenience Outlets System Diagram (Sheet 3 of 9)



REFER TO SHEET 1 FOR NOTES

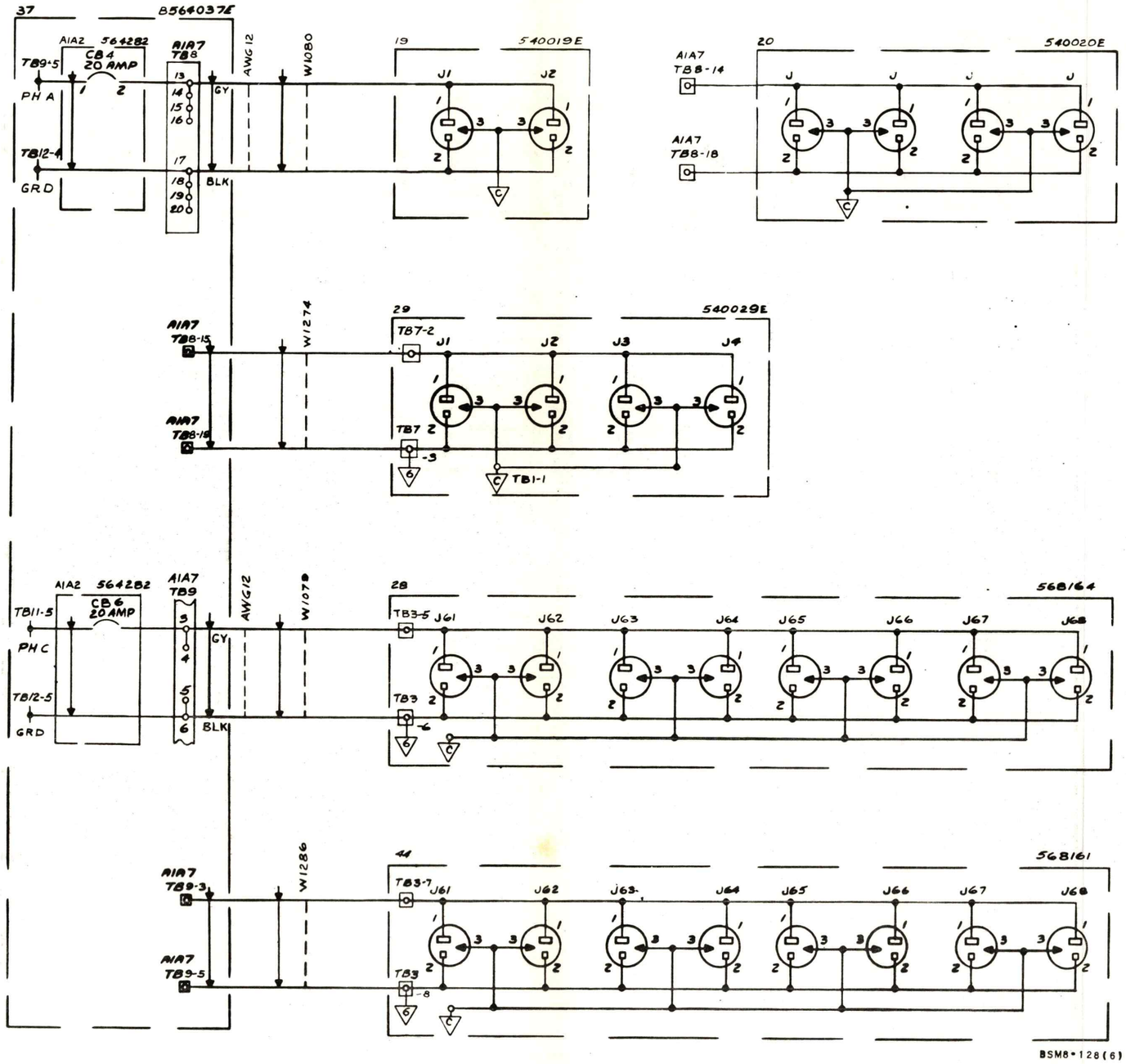
Figure 8-128. Power Convenience Outlets System Diagram (Sheet 4 of 9)



REFER TO SHEET 1 FOR NOTES

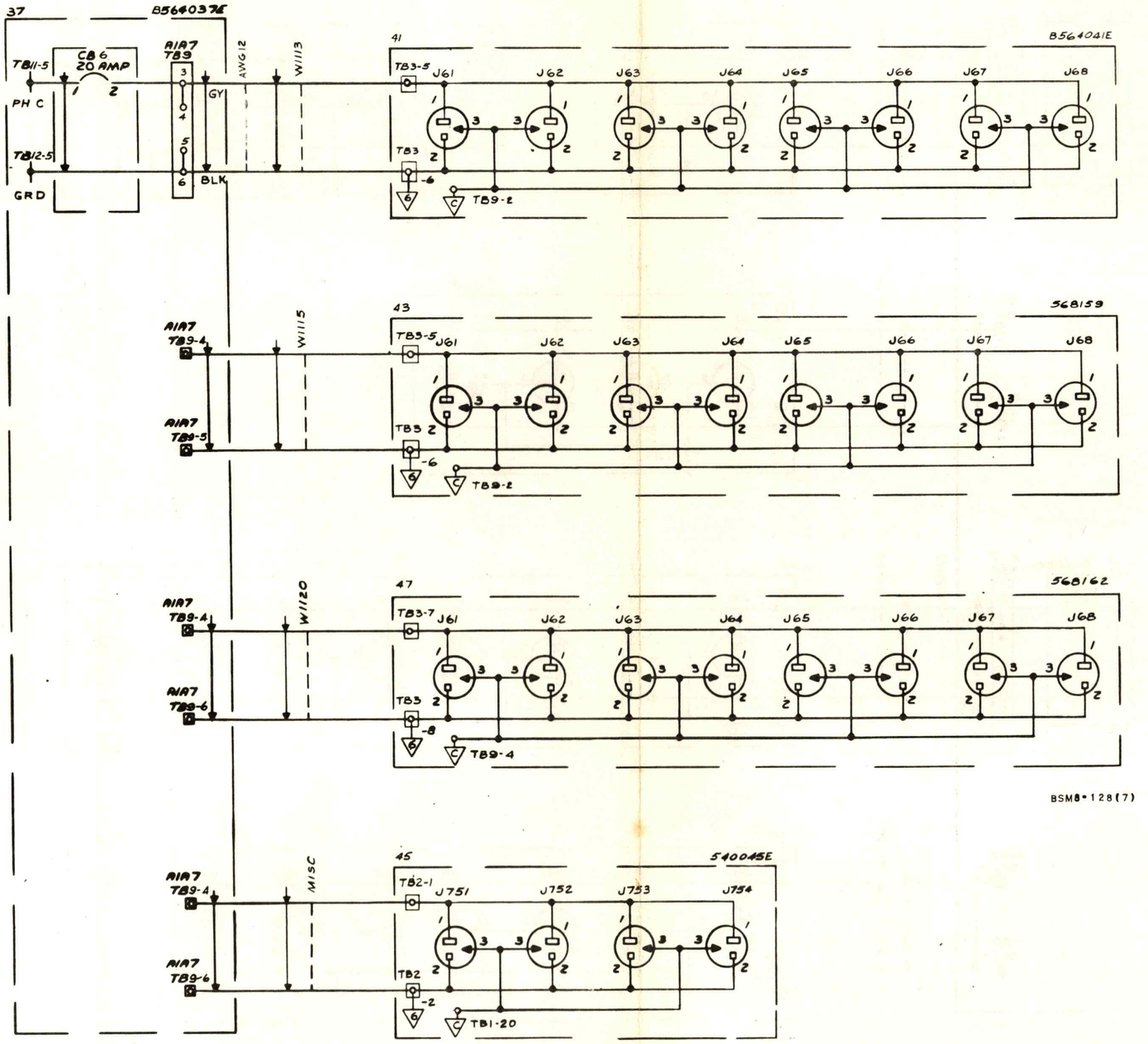
BSM8-128(5)

Figure 8-128. Power Convenience Outlets System Diagram (Sheet 5 of 9)



REFER TO SHEET 1 FOR NOTES

Figure 8-128. Power Convenience Outlets System Diagram (Sheet 6 of 9)



BSM8-128(7)

REFER TO SHEET 1 FOR NOTES

Figure 8-128. Power Convenience Outlets System Diagram (Sheet 7 of 9)

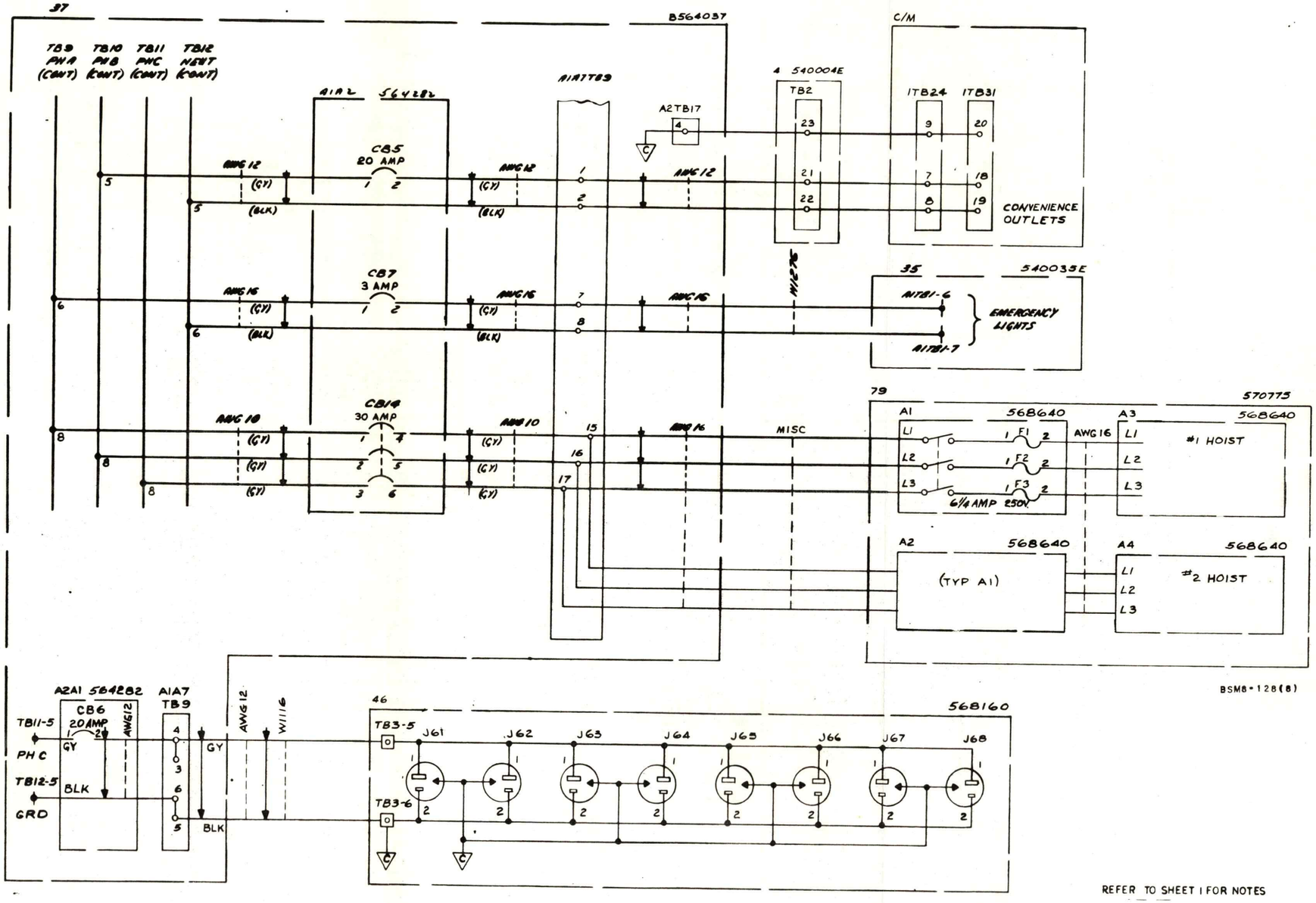
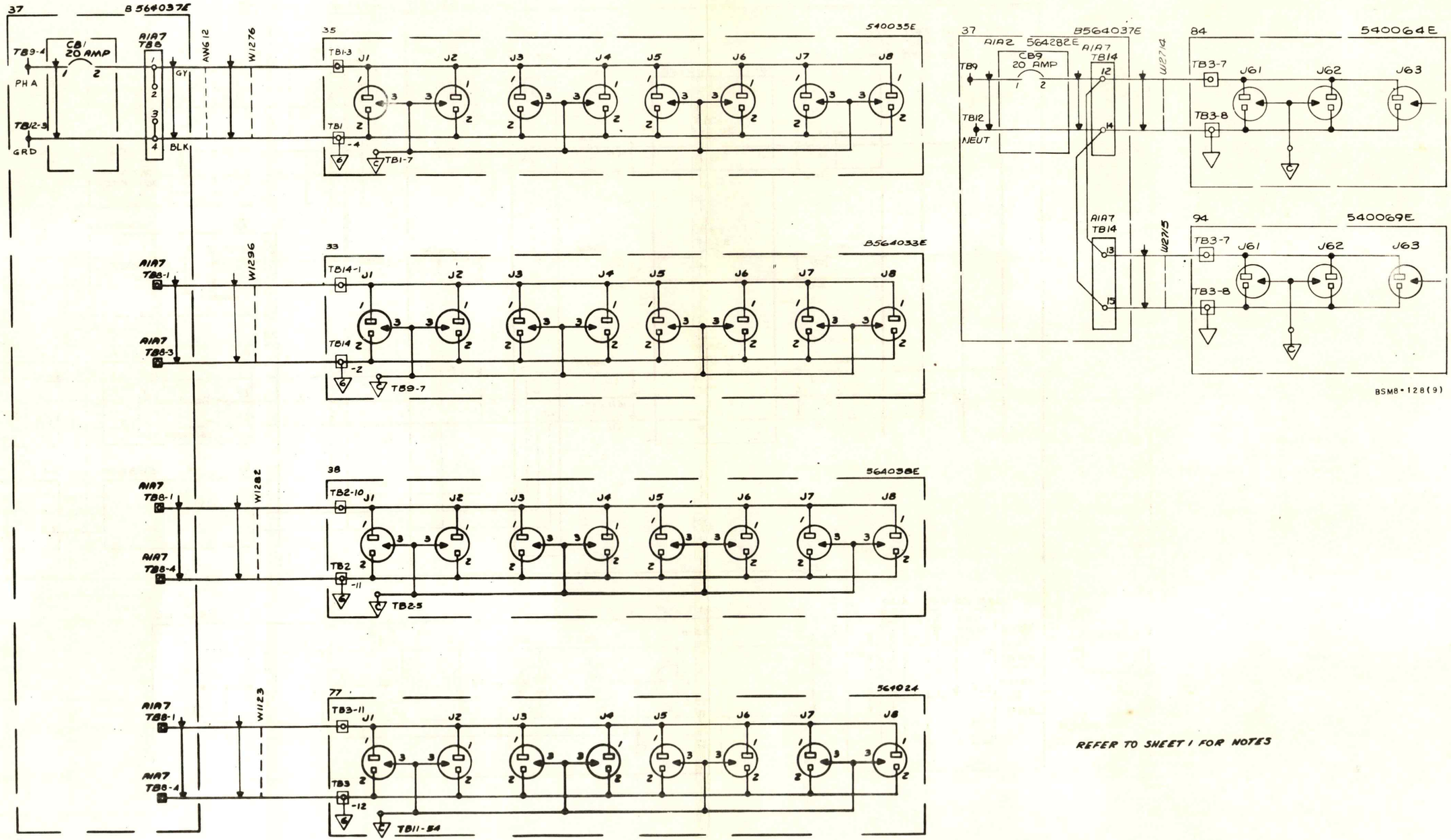
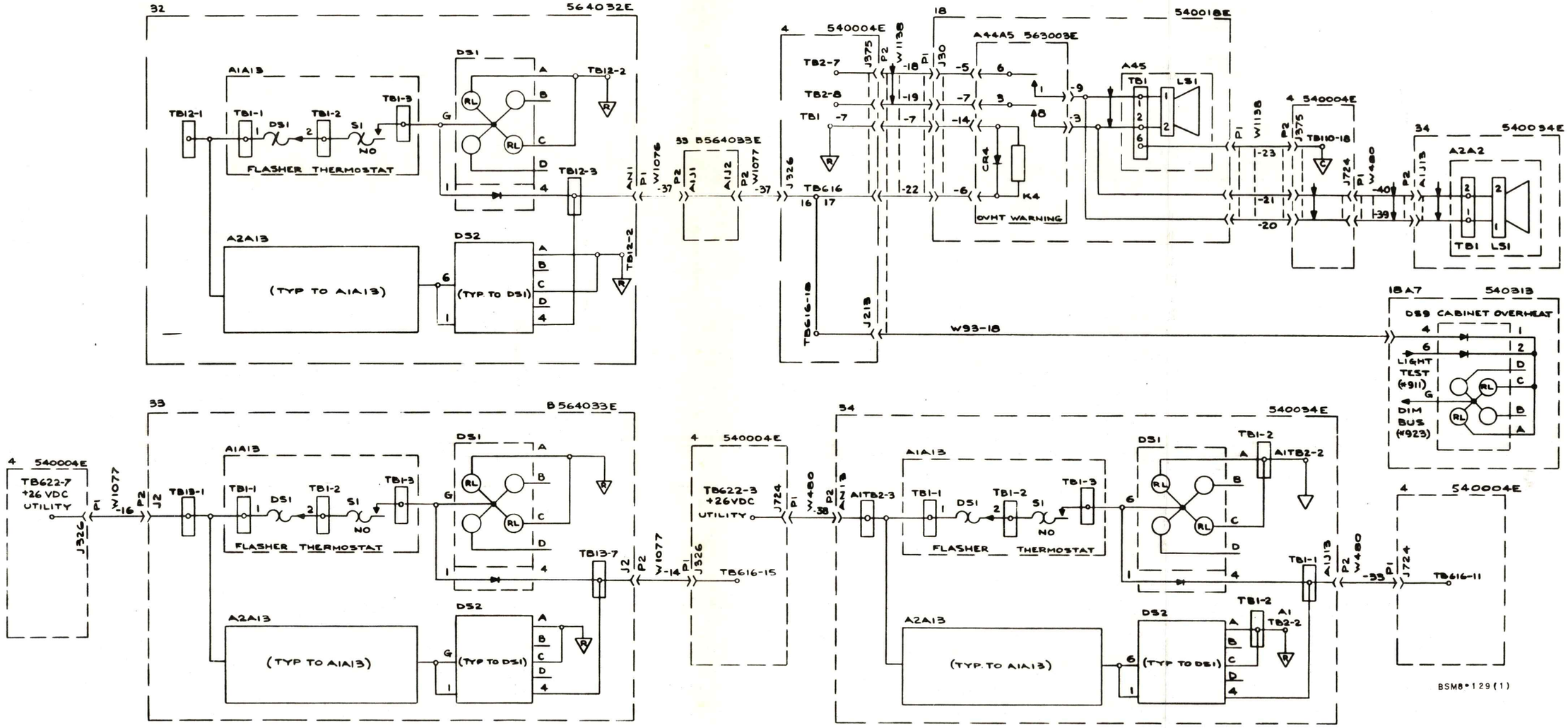


Figure 8-128. Power Convenience Outlets System Diagram (Sheet 8 of 9)



REFER TO SHEET 1 FOR NOTES

Figure 8-128. Power Convenience Outlets System Diagram (Sheet 9 of 9)

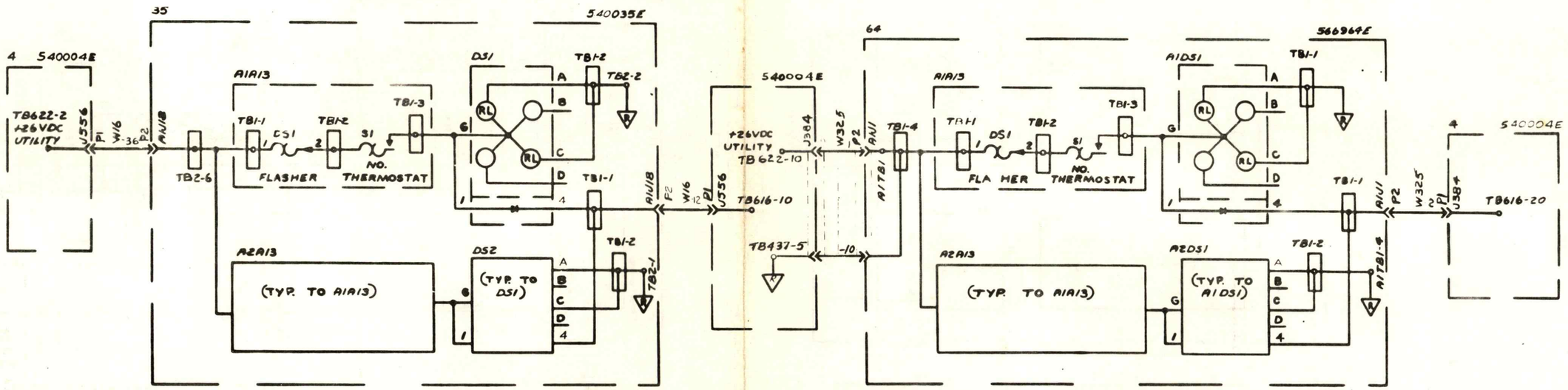


NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION OR BOTH
2. *=SYSTEM DIAGRAM PREFIX WITH B 564
3. CHASSIS RETURN
4. = SIGNAL RETURN
5. RELAY RETURN =
6. = D.C. RETURN
7. 60 ~ RETURN =
8. = 400 ~ RETURN
9. 400 ~ SIGNAL RETURN =
10. = INTERFACE RETURN
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS 1/2 W, ± 1 %
    ALL RESISTORS — Ω
    ALL LAMP LENS WHT
12. ALL IJ CONNECTORS LOCATED ON C/M DISCONNECT PANELS

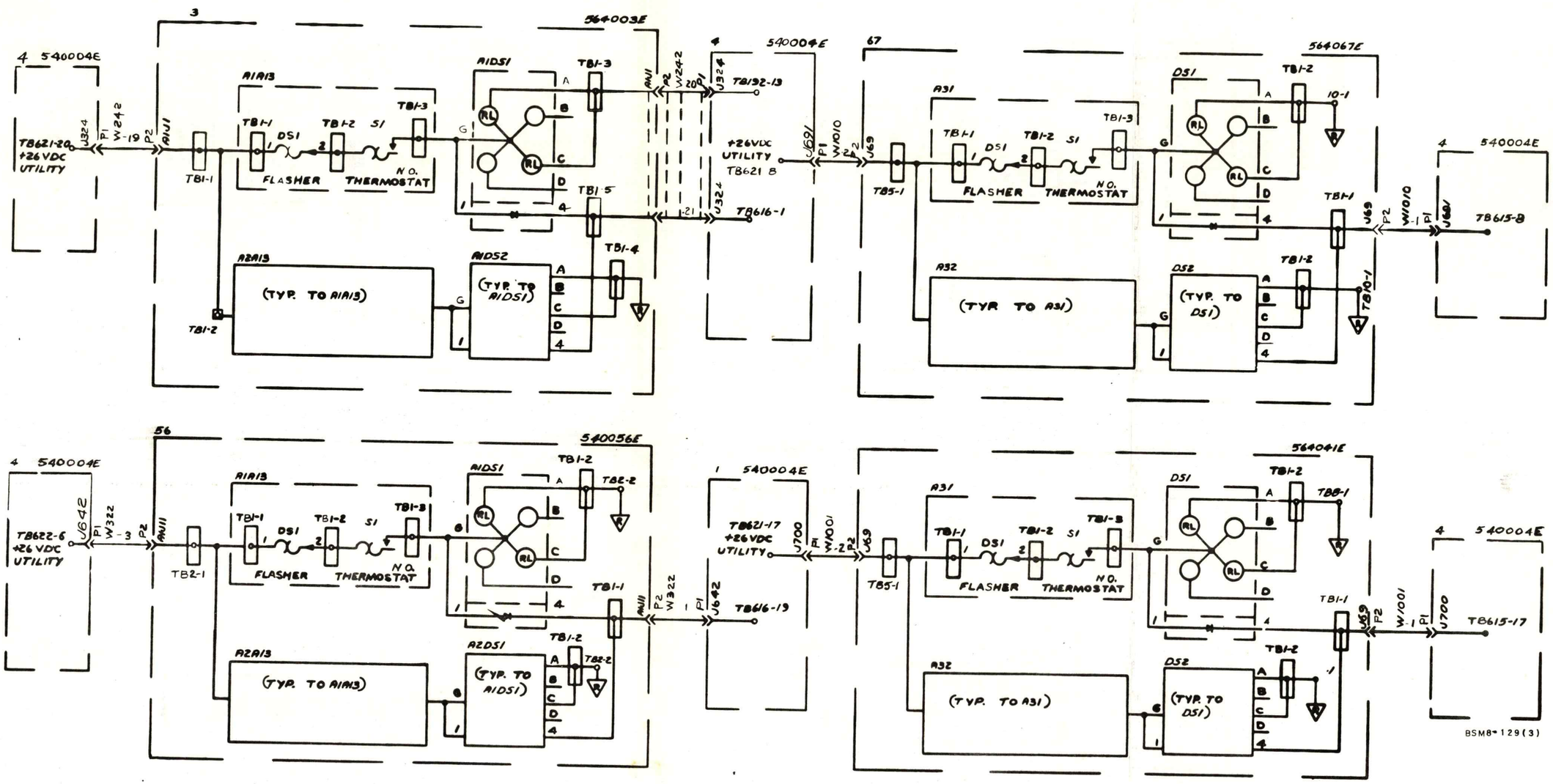
ENG. DWG. NO.	HDBK. FIG. NO.
564947	8-129

Figure 8-129. Power OVHT Light System (Sheet 1 of 11)



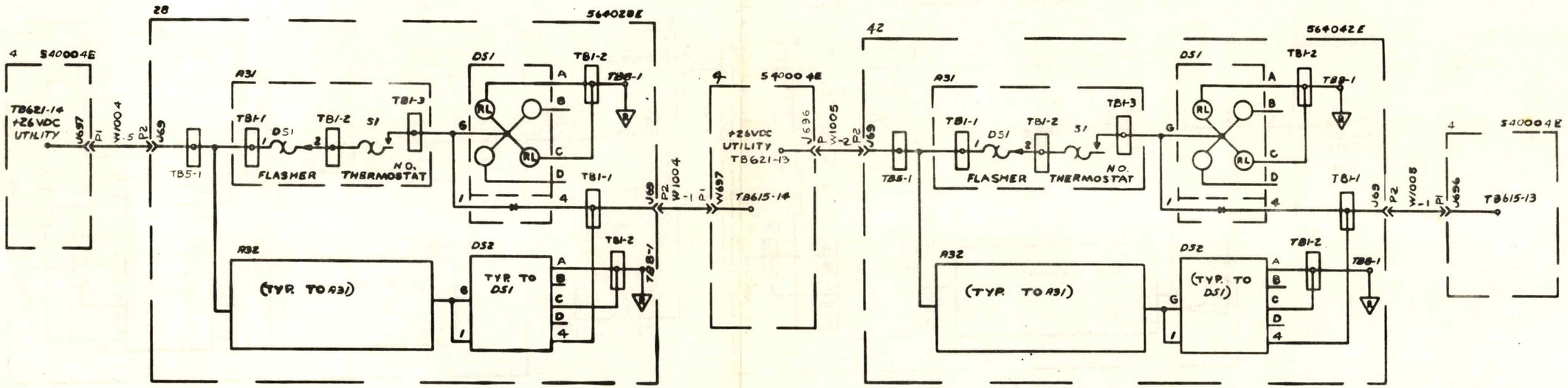
REFER TO SHEET 1 FOR NOTES

Figure 8-129. Power OVHT Light System (Sheet 2 of 11)



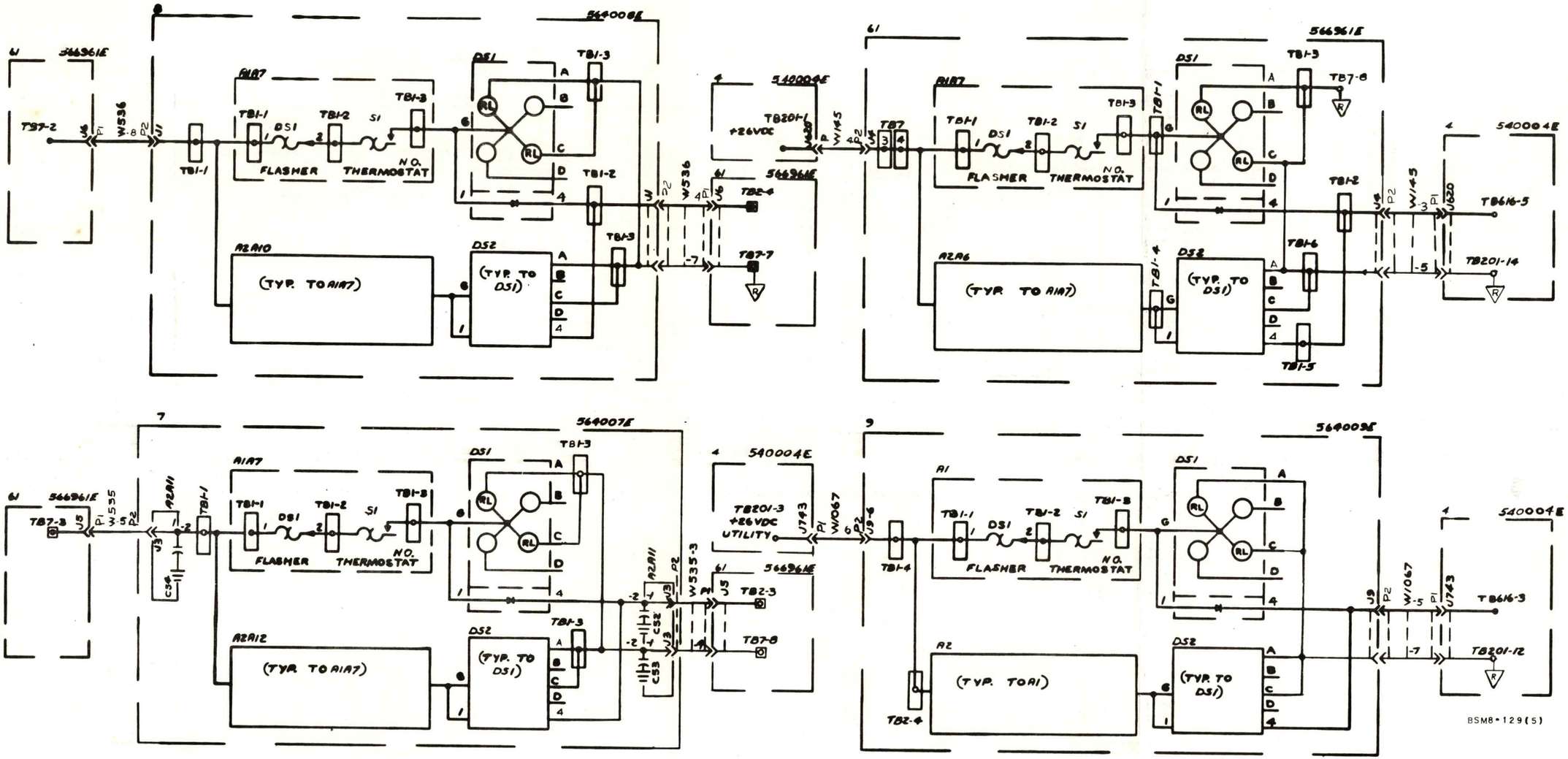
REFER TO SHEET 1 FOR NOTES

Figure 8-129. Power OVHT Light System (Sheet 3 of 11)



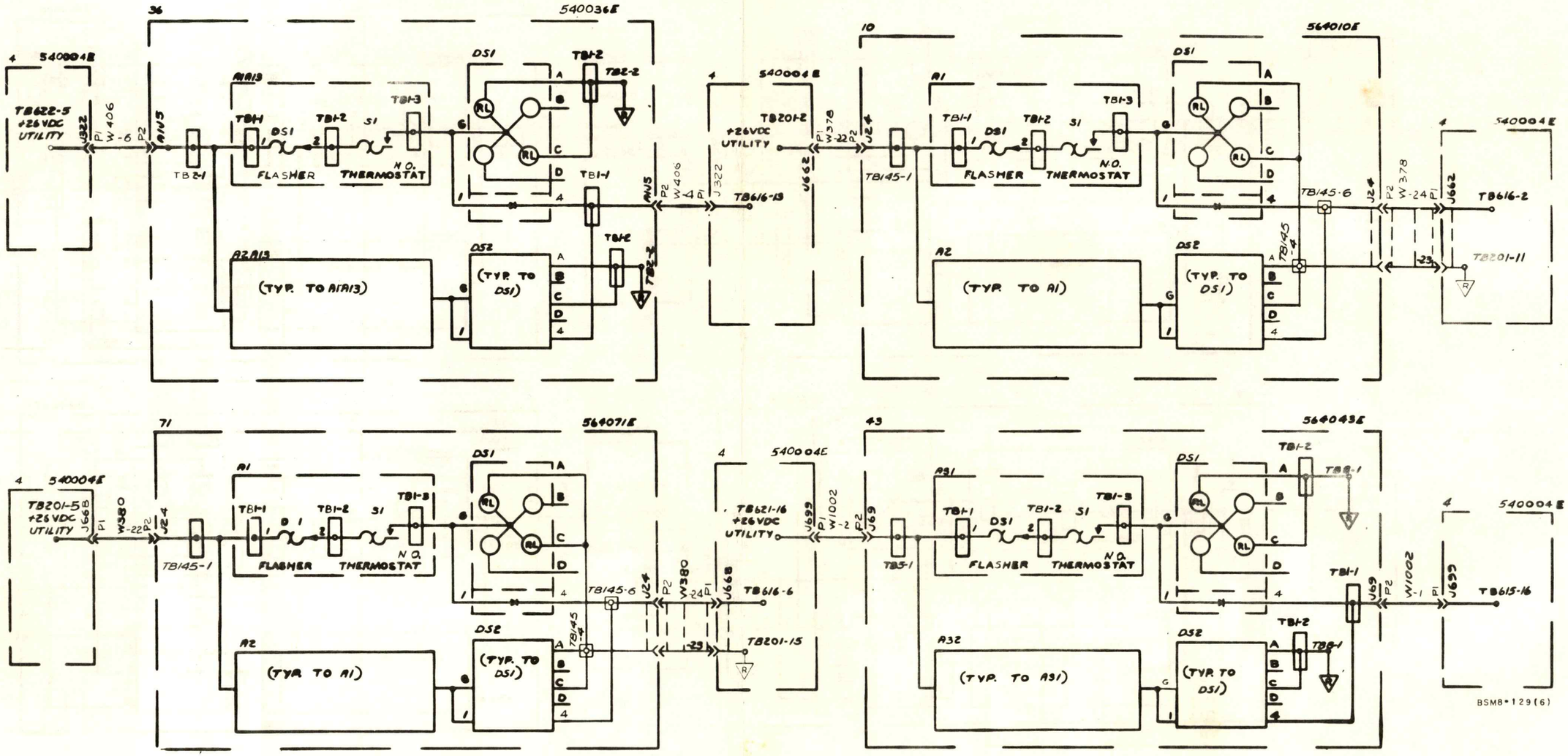
REFER TO SHEET 1 FOR NOTES

Figure 8-129. Power OVHT Light System (Sheet 4 of 11)



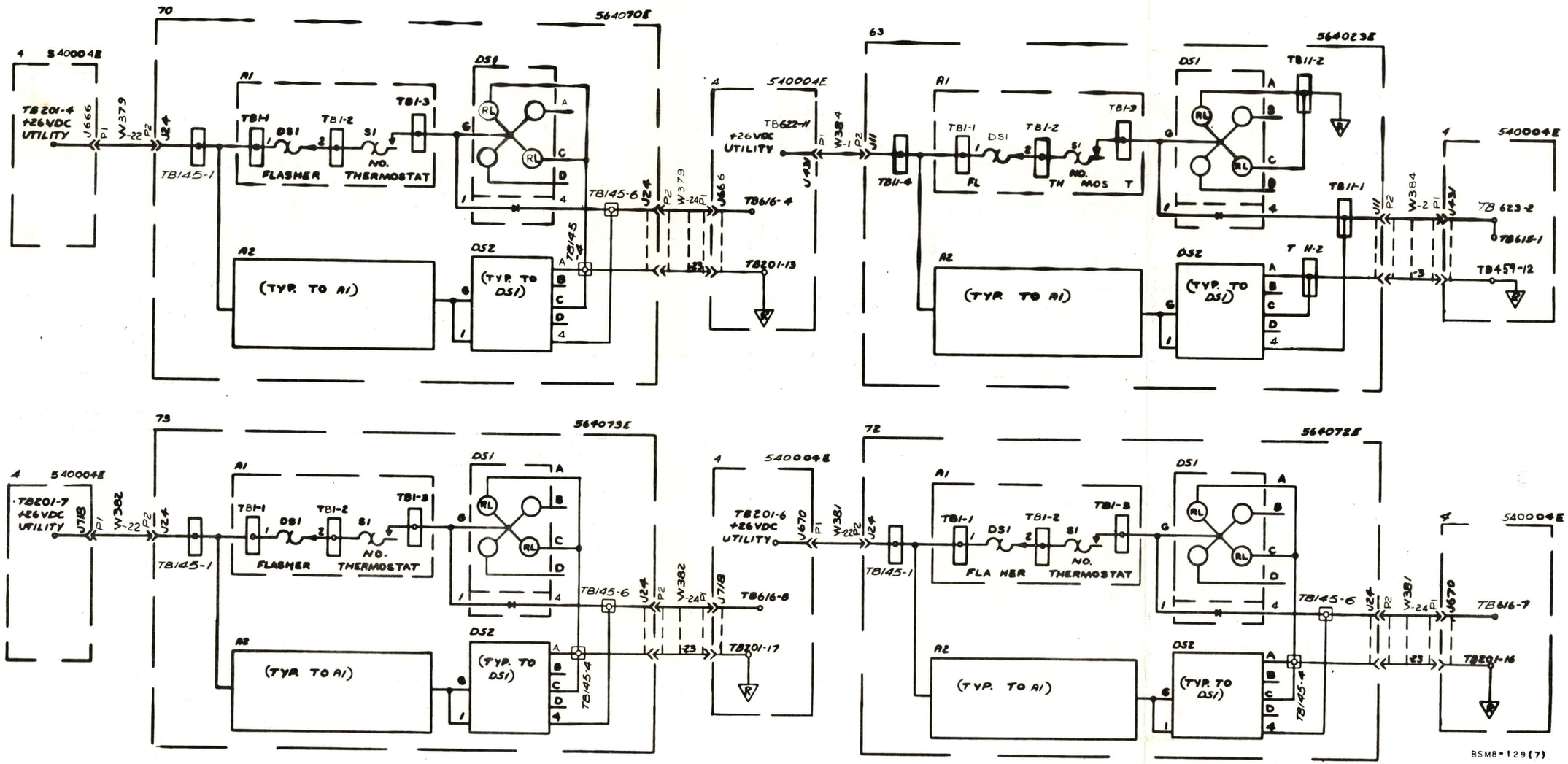
REFER TO SHEET 1 FOR NOTES

Figure 8-129. Power OVHT Light System (Sheet 5 of 11)



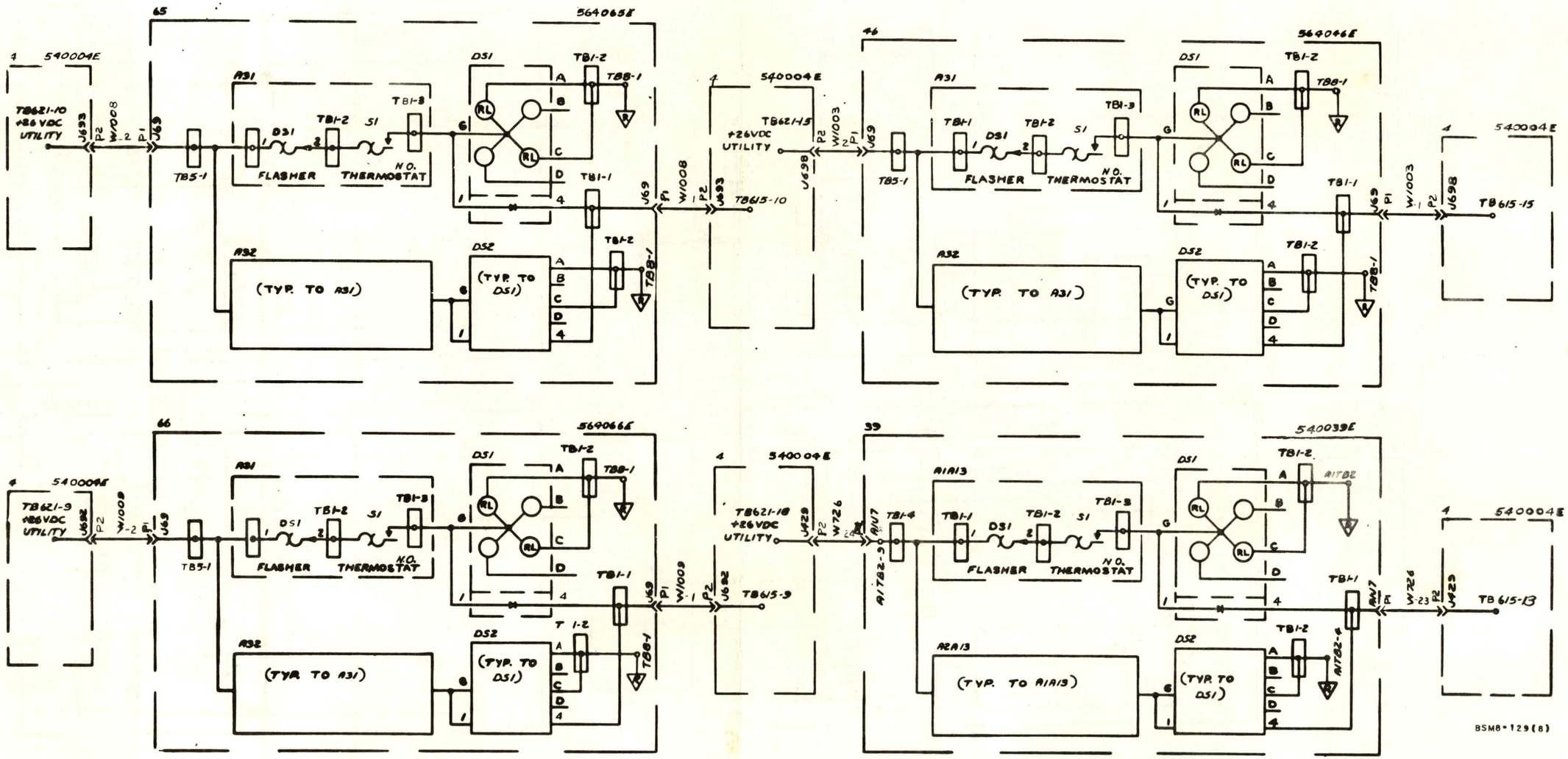
REFER TO SHEET 1 FOR NOTES

Figure 8-129. Power OVHT Light System (Sheet 6 of 11)



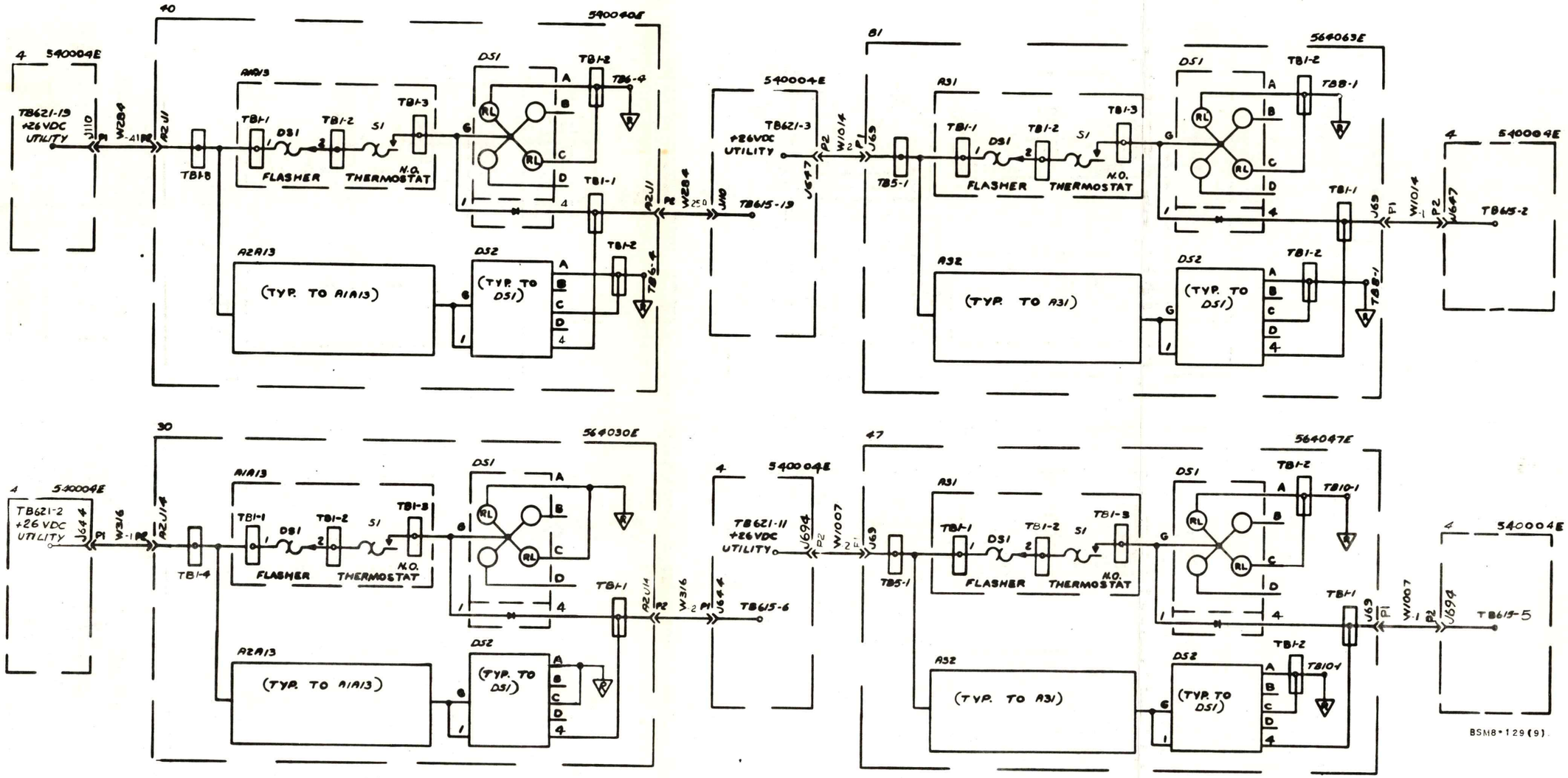
REFER TO SHEET 1 FOR NOTES

Figure 8-129. Power OVHT Light System (Sheet 7 of 11)



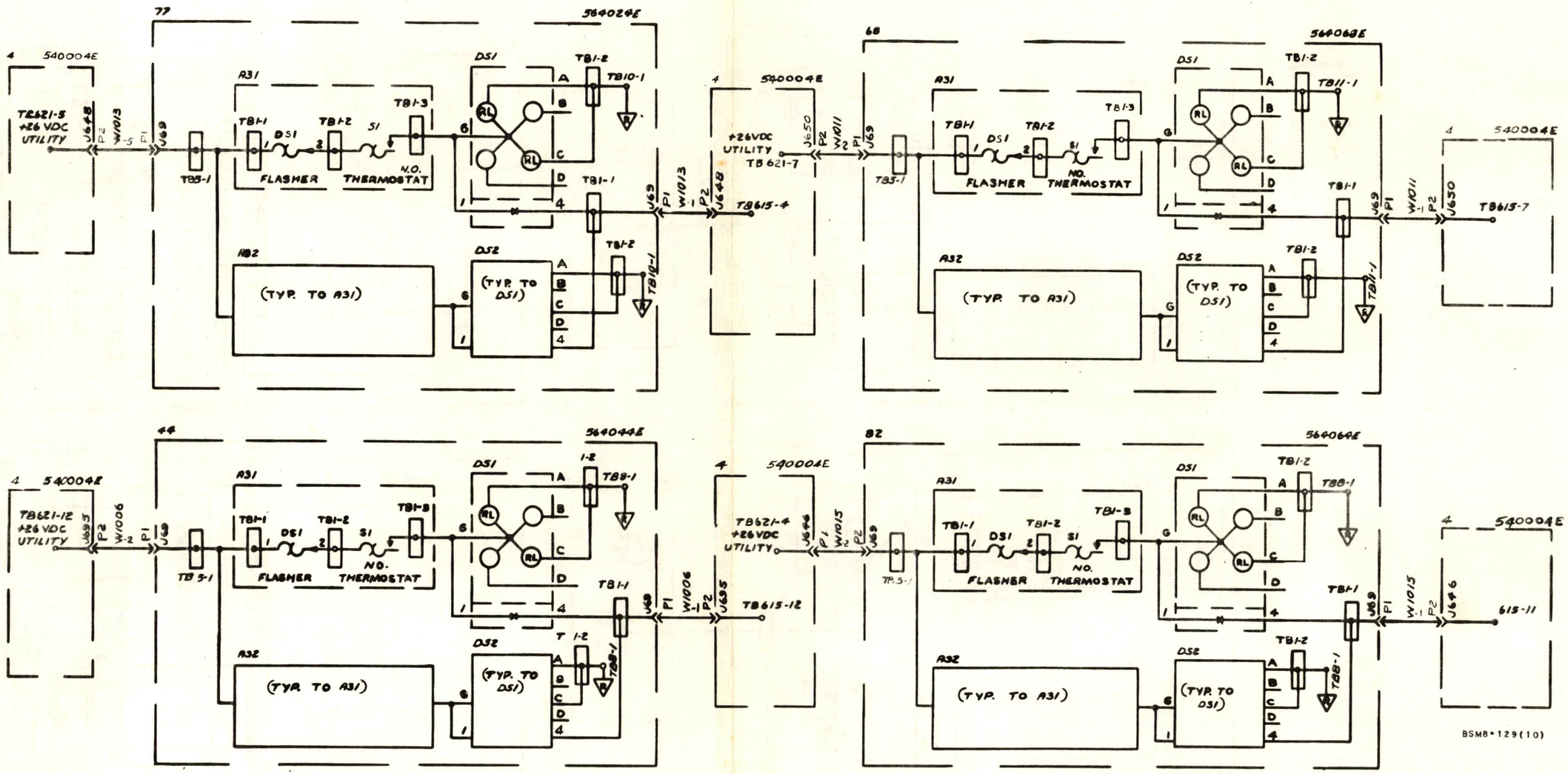
REFER TO SHEET 1 FOR NOTES

Figure 8-129. Power OVHT Light System (Sheet 8 of 11)



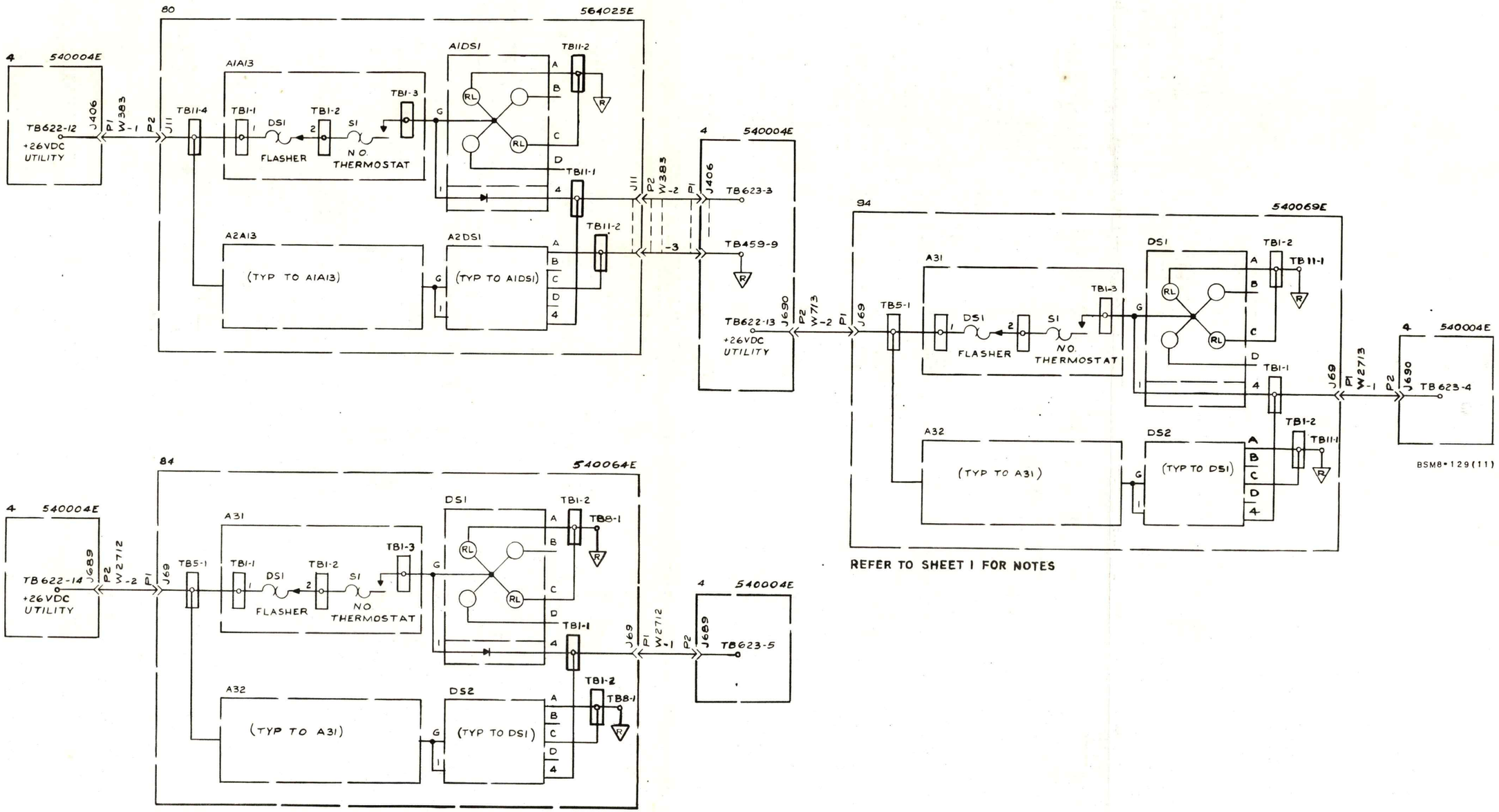
REFER TO SHEET 1 FOR NOTES

Figure 8-129. Power OVHT Light System (Sheet 9 of 11)



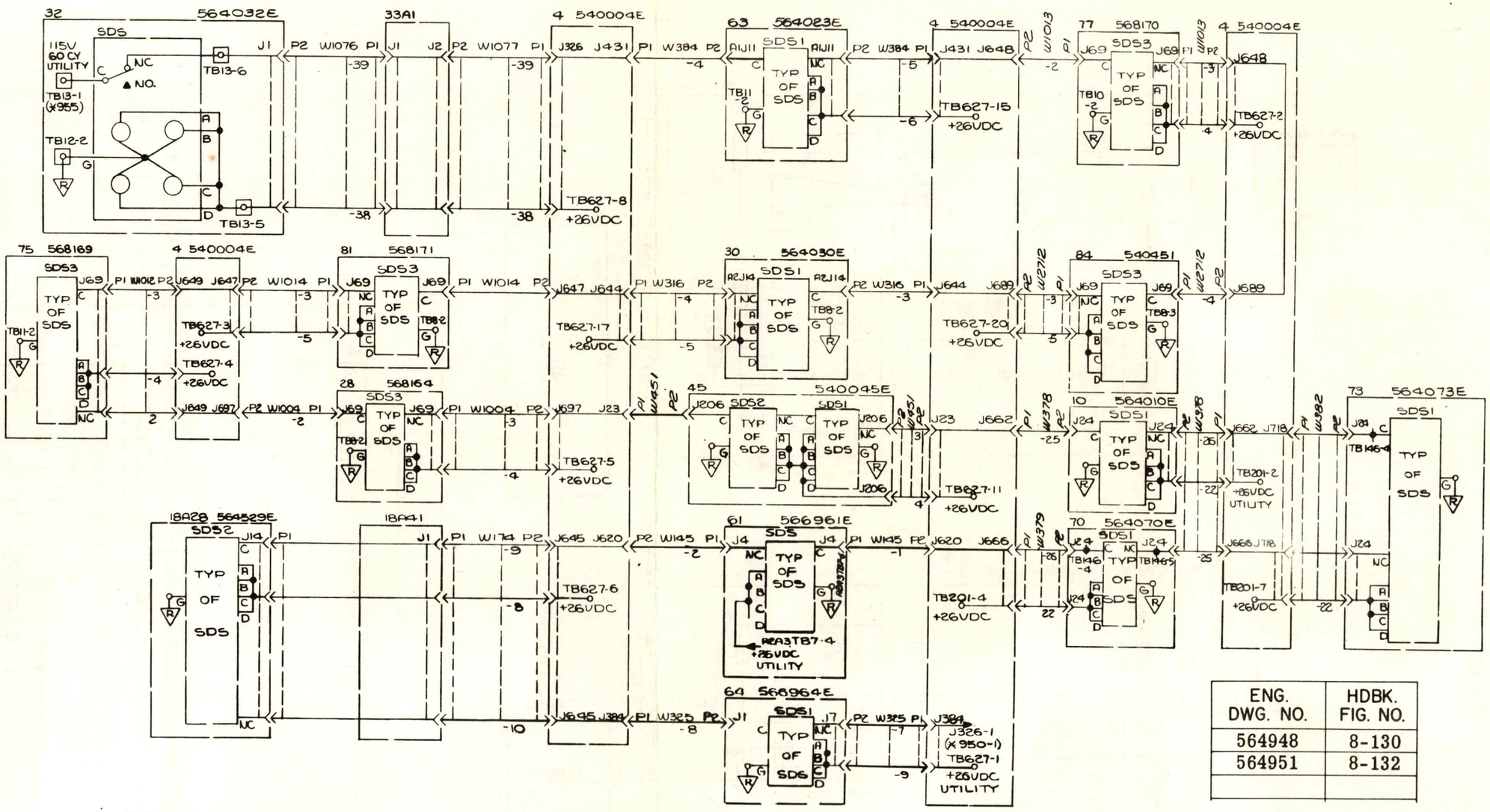
REFER TO SHEET 1 FOR NOTES

Figure 8-129. Power OVHT Light System (Sheet 10 of 11)



REFER TO SHEET I FOR NOTES

Figure 8-129. Power OVHT Light System (Sheet 11 of 11)



ENG. DWG. NO.	HDBK. FIG. NO.
564948	8-130
564951	8-132

NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. *=SYSTEM DIAGRAM PREFIX WITH __564
3. ▽=CHASSIS RETURN
4. =SIGNAL RETURN-▽
5. ▽R=RELAY RETURN
6. D=D.C. RETURN
7. ▽60=60 CPS RETURN
8. 400=400 CPS RETURN-▽
9. ▽S=400 CPS SIGNAL RETURN
10. INTERFACE RETURN▽
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS ½ W, ± 1 %
    ALL RESISTORS ___Ω
    ALL LAMP LENS RED

Figure 8-130. Power Emergency Stop

ENG. DWG. NO.	HDBK. FIG. NO.
564950	8-131
564905	8-89
564911	8-95
564923	8-107
564930	8-114
564942	8-124
564946	8-128
564948	8-130
564953	8-134
564956	8-137

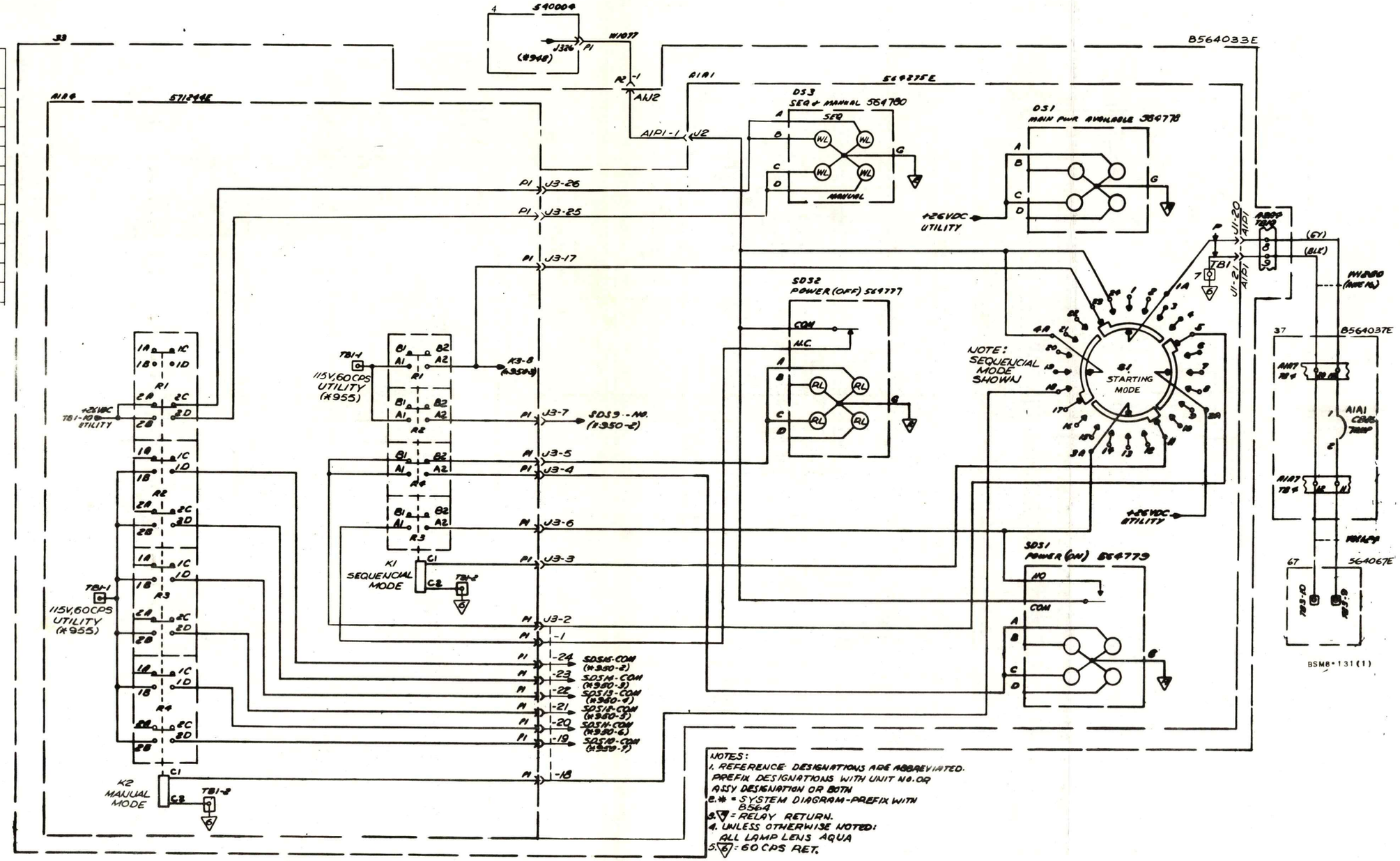


Figure 8-131. Power System Diagram Seq Light (Sheet 1 of 7)

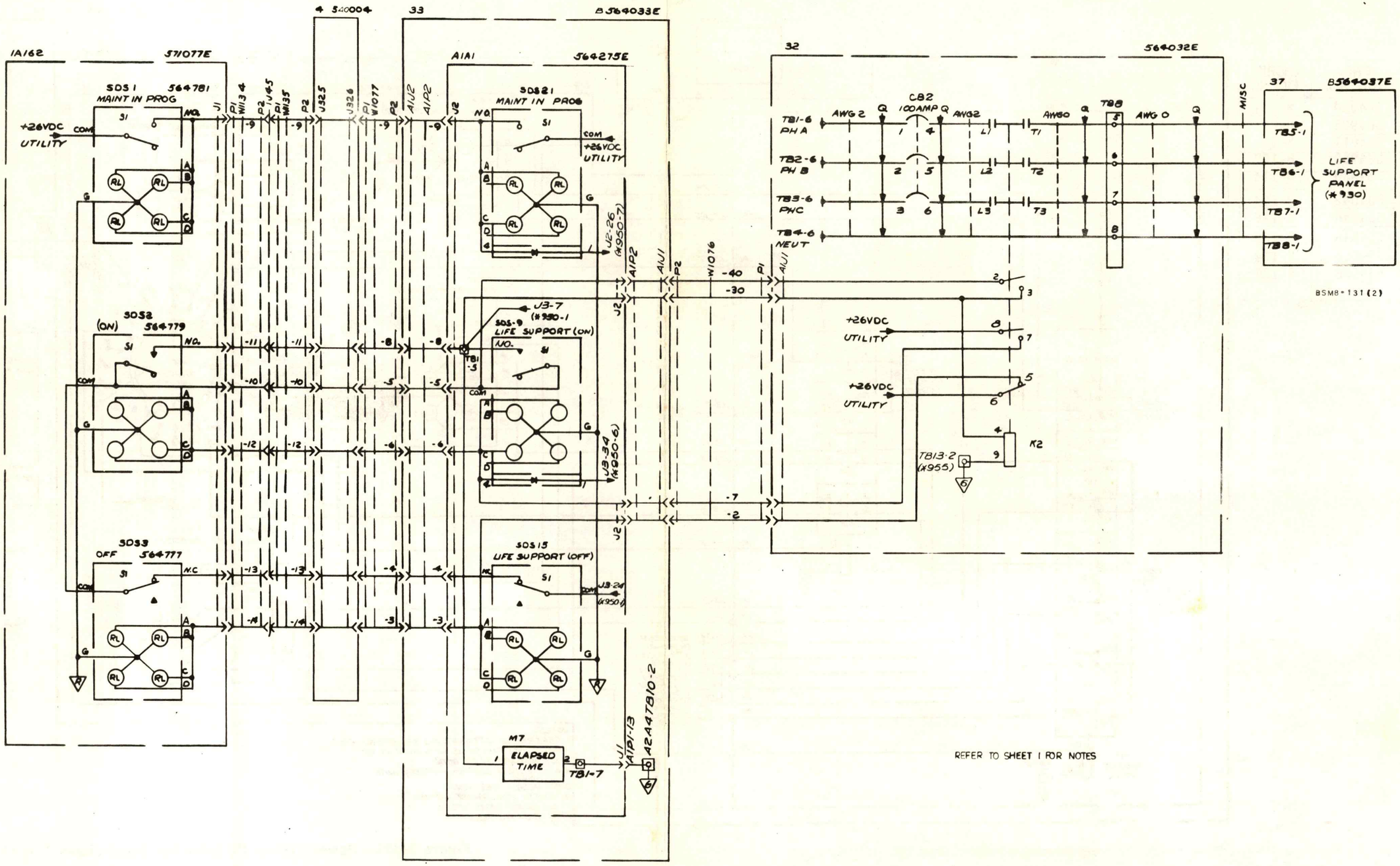


Figure 8-131. Power System Diagram Seq Light (Sheet 2 of 7)

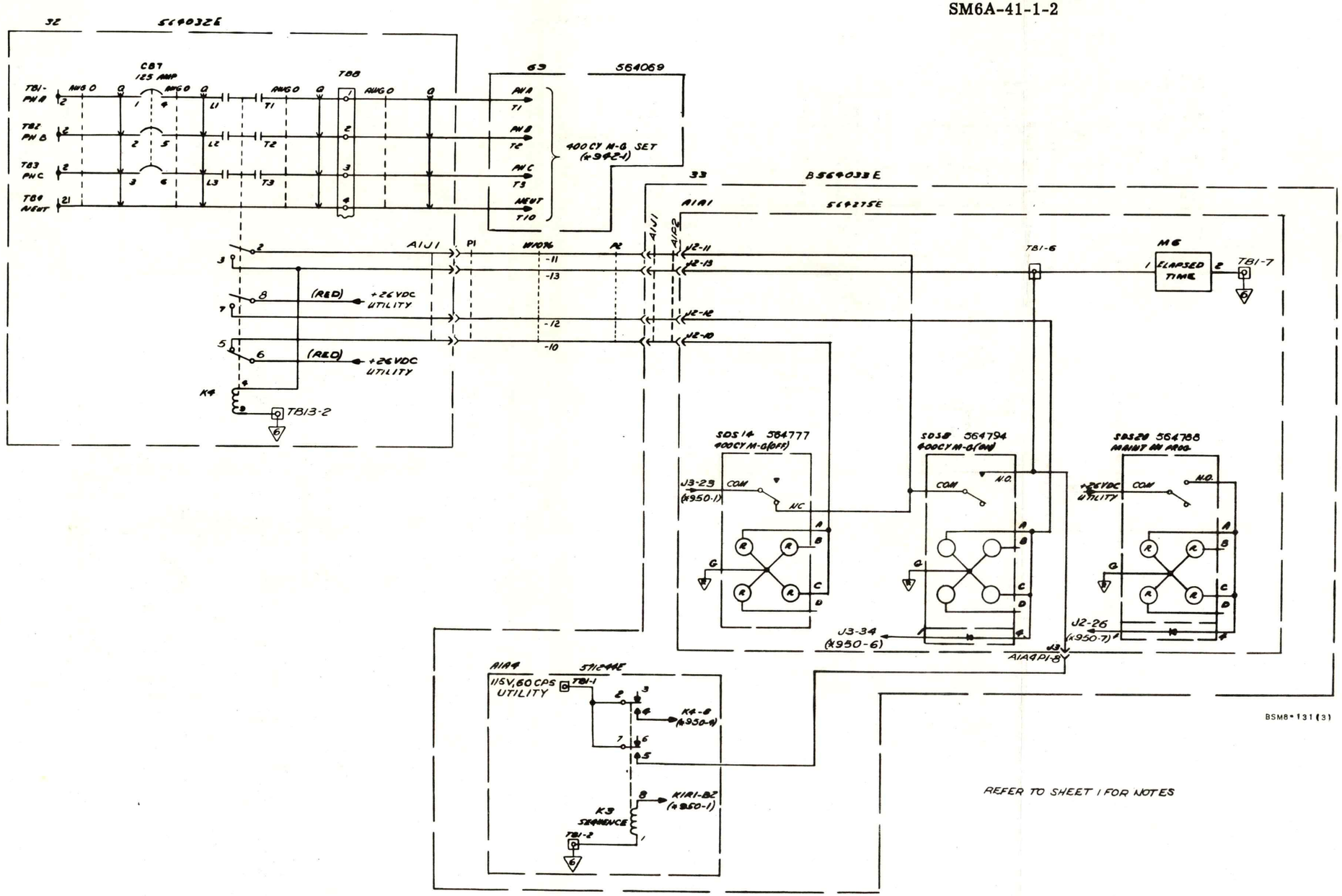


Figure 8-131. Power System Diagram Seq Light (Sheet 3 of 7)

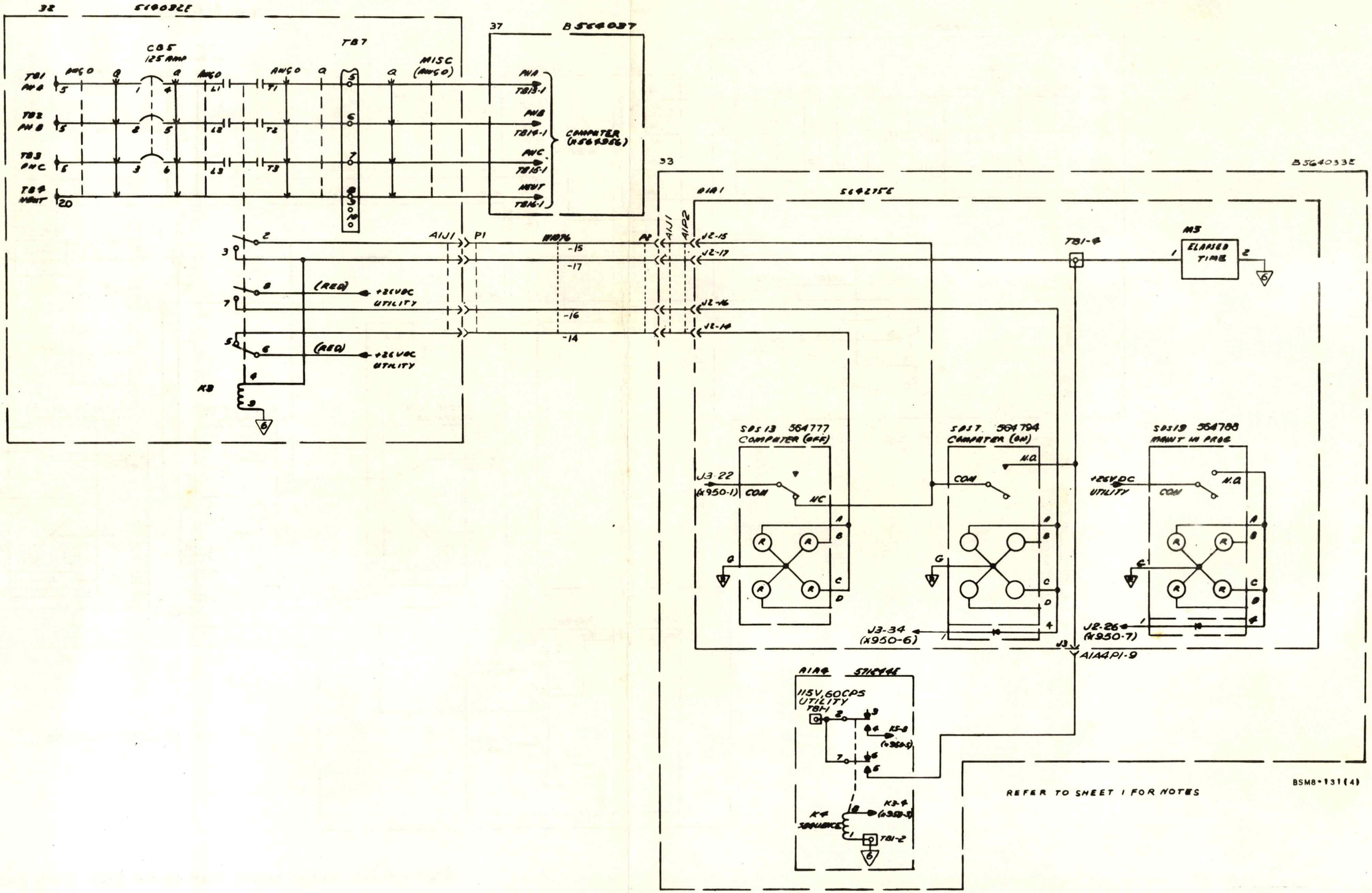


Figure 8-131. Power System Diagram Seq Light (Sheet 4 of 7)

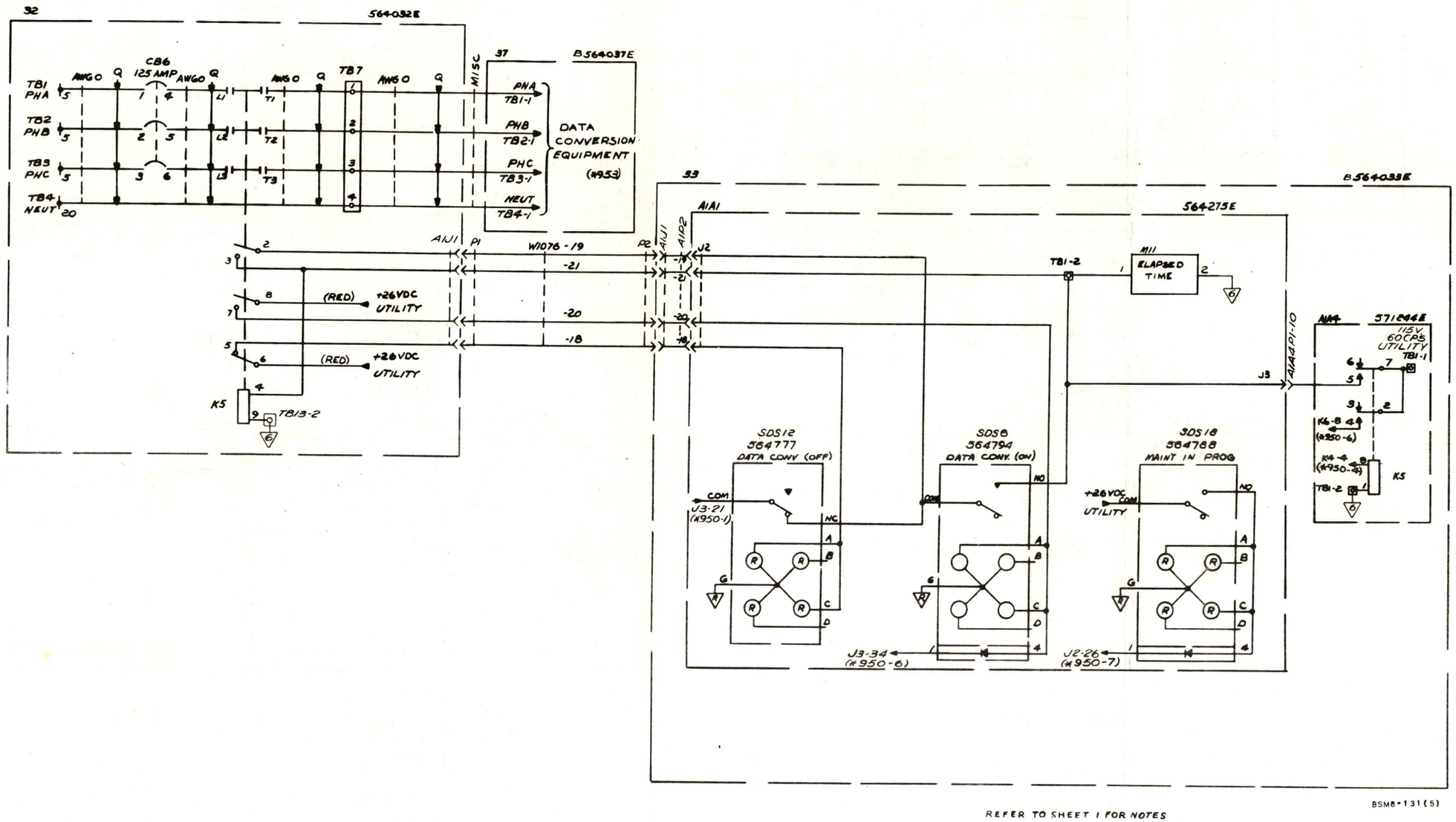


Figure 8-131. Power System Diagram Seq Light (Sheet 5 of 7)

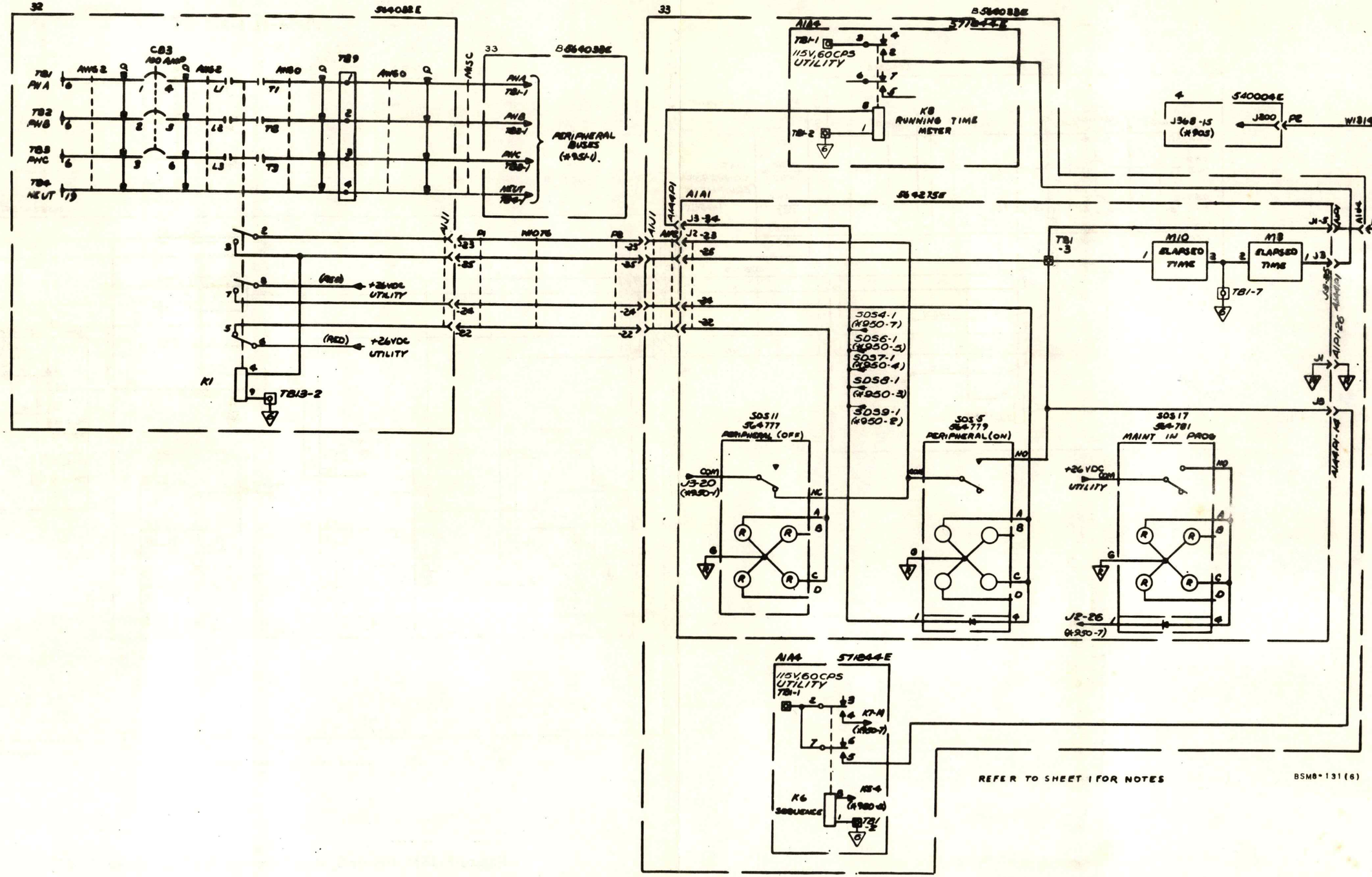


Figure 8-131. Power System Diagram Seq Light (Sheet 6 of 7)

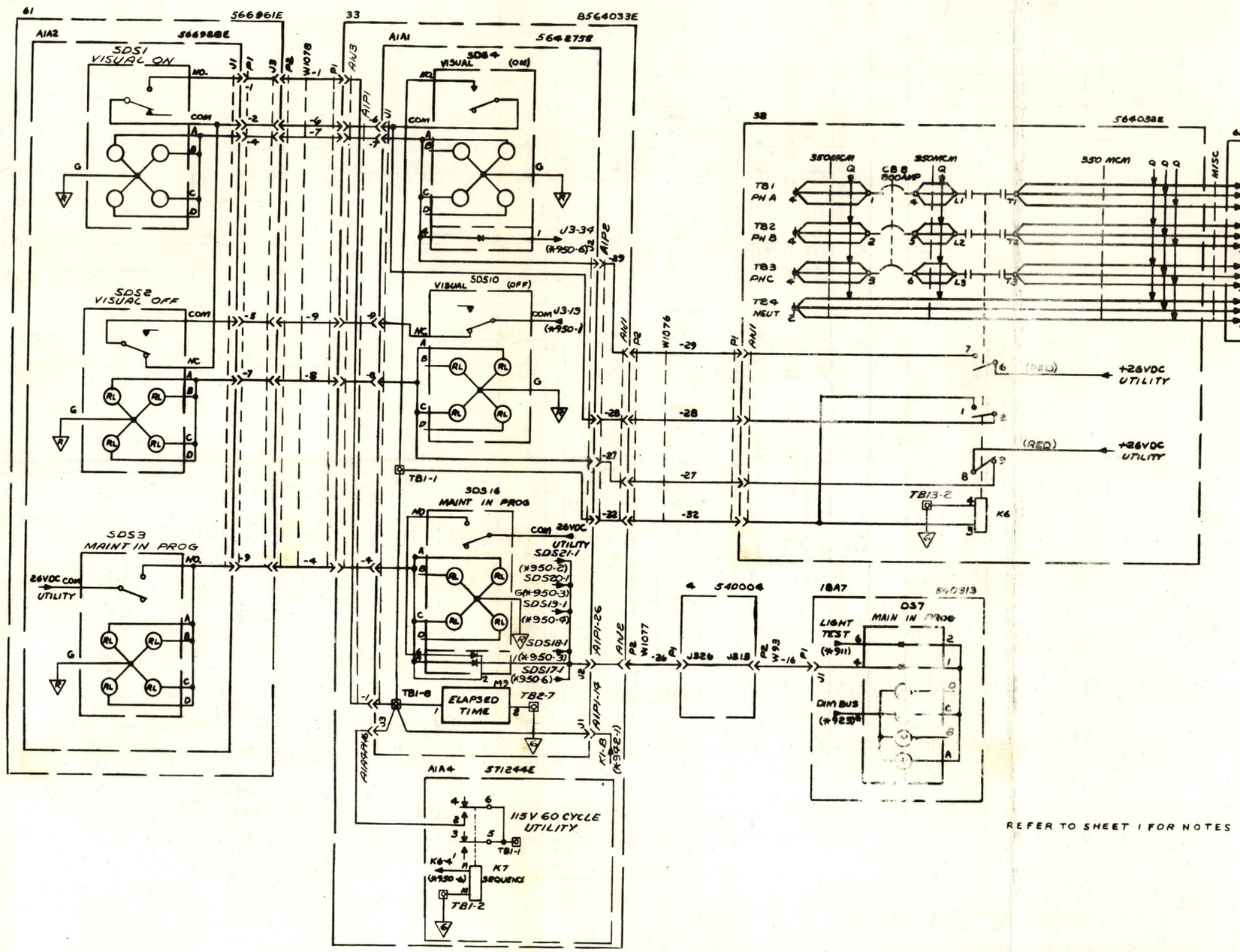
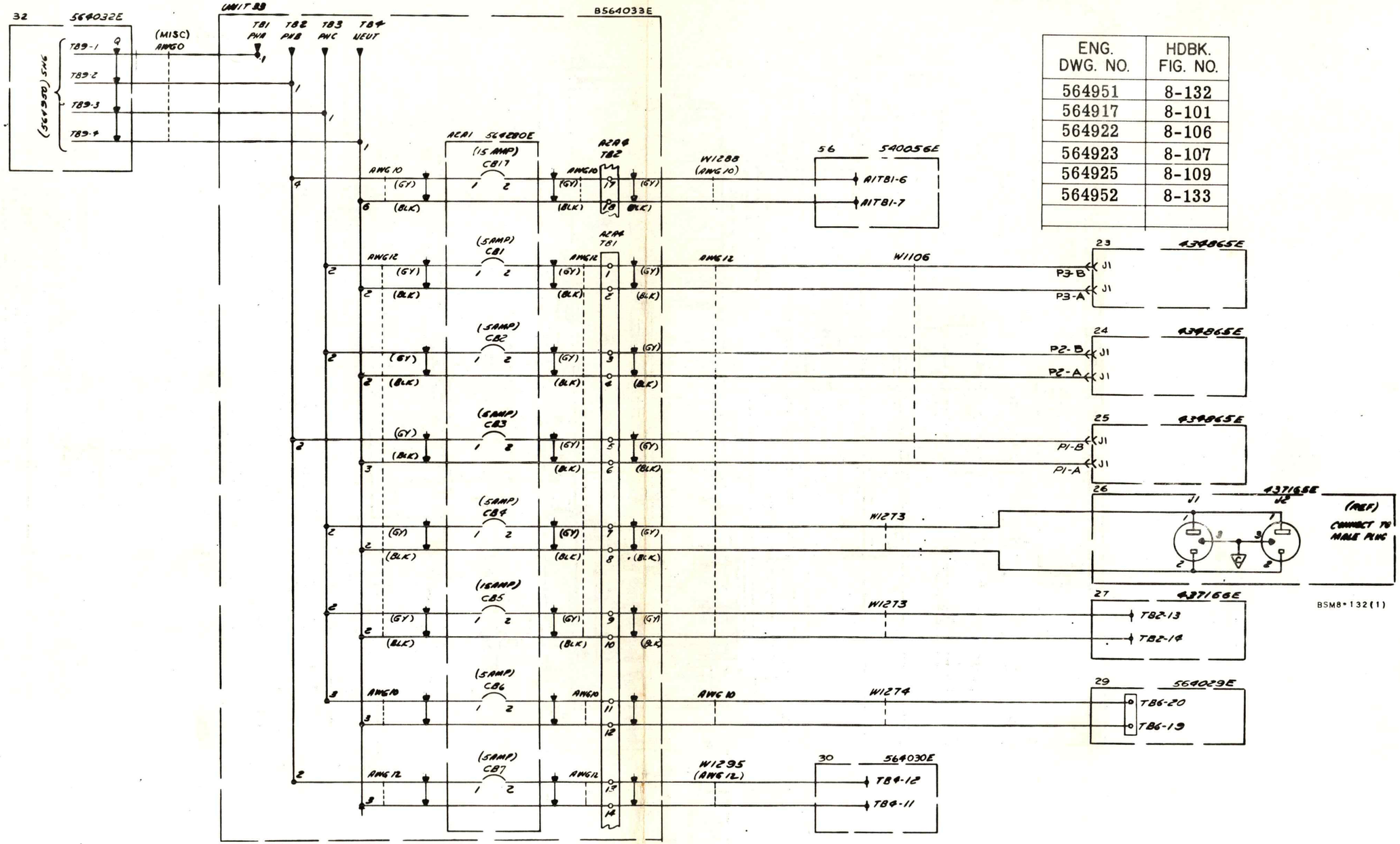


Figure 8-131. Power System Diagram Seq Light (Sheet 7 of 7)

ENG. DWG. NO.	HDBK. FIG. NO.
564951	8-132
564917	8-101
564922	8-106
564923	8-107
564925	8-109
564952	8-133



NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. * =SYSTEM DIAGRAM PREFIX WITH B564
3. ▽=CHASSIS RETURN
4. SIGNAL RETURN=▽
5. ▽=RELAY RETURN
6. D.C. RETURN=▽
7. ▽=60 ~ RETURN
8. 400 ~ RETURN=▽
9. ▽S=400 ~ SIGNAL RETURN
10. INTERFACE RETURN=▽
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS ½ W, ± 1 %
    ALL RESISTORS Ω
    ALL LAMP LENS WHT

Figure 8-132. Power ± 10V Drift (Sheet 1 of 8)

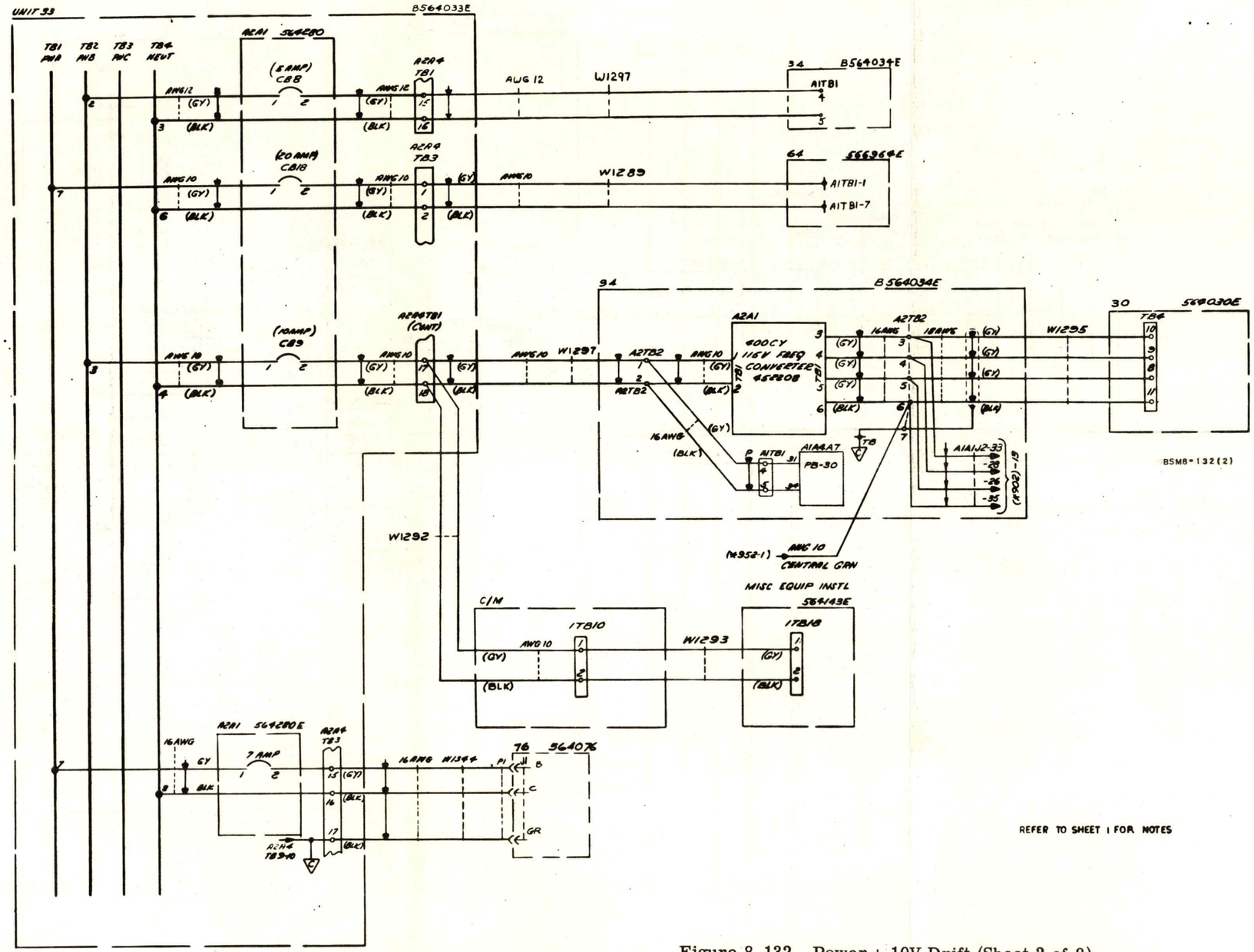
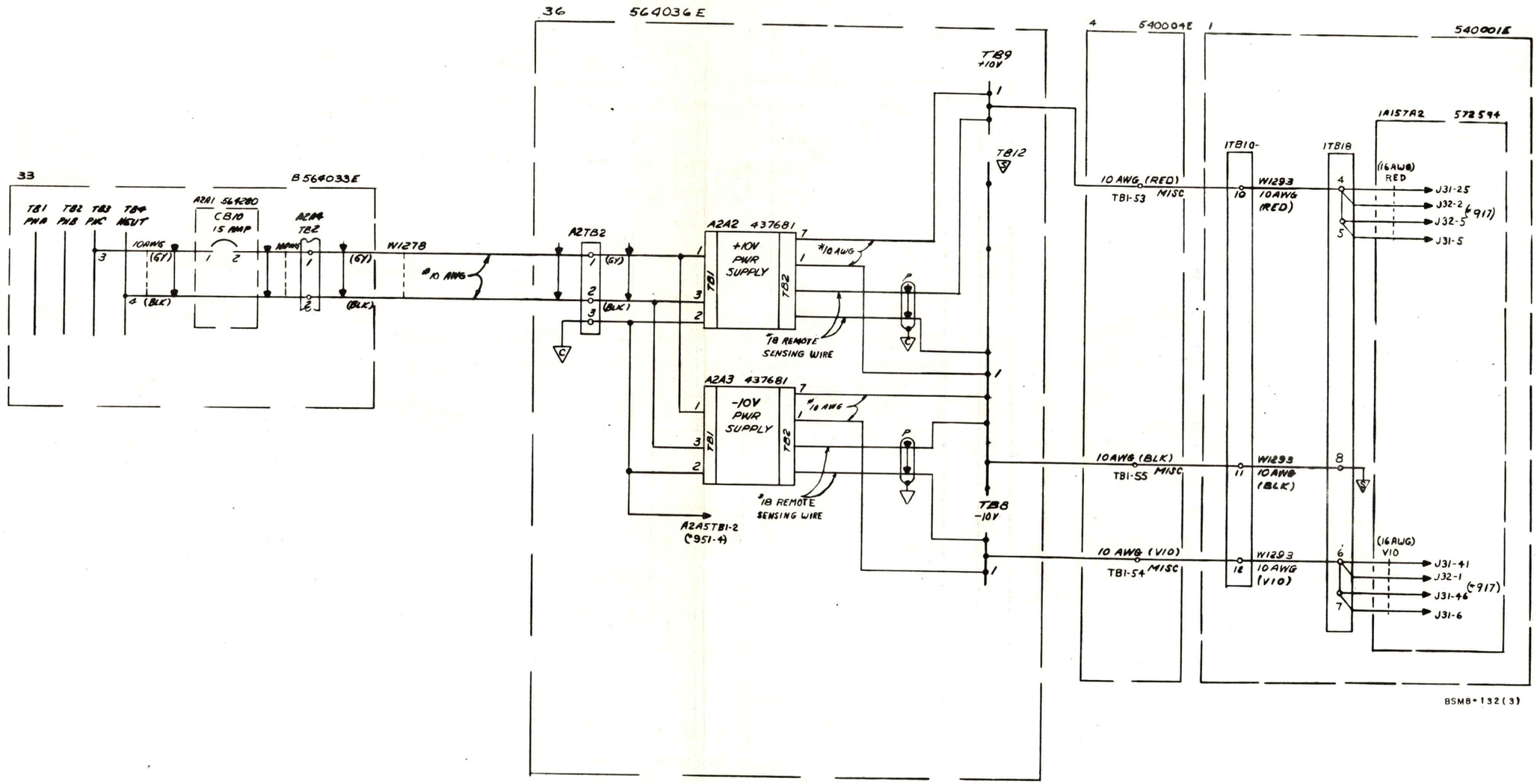


Figure 8-132. Power ± 10V Drift (Sheet 2 of 8)



REFER TO SHEET 1 FOR NOTES

Figure 8-132. Power ± 10V Drift (Sheet 3 of 8)

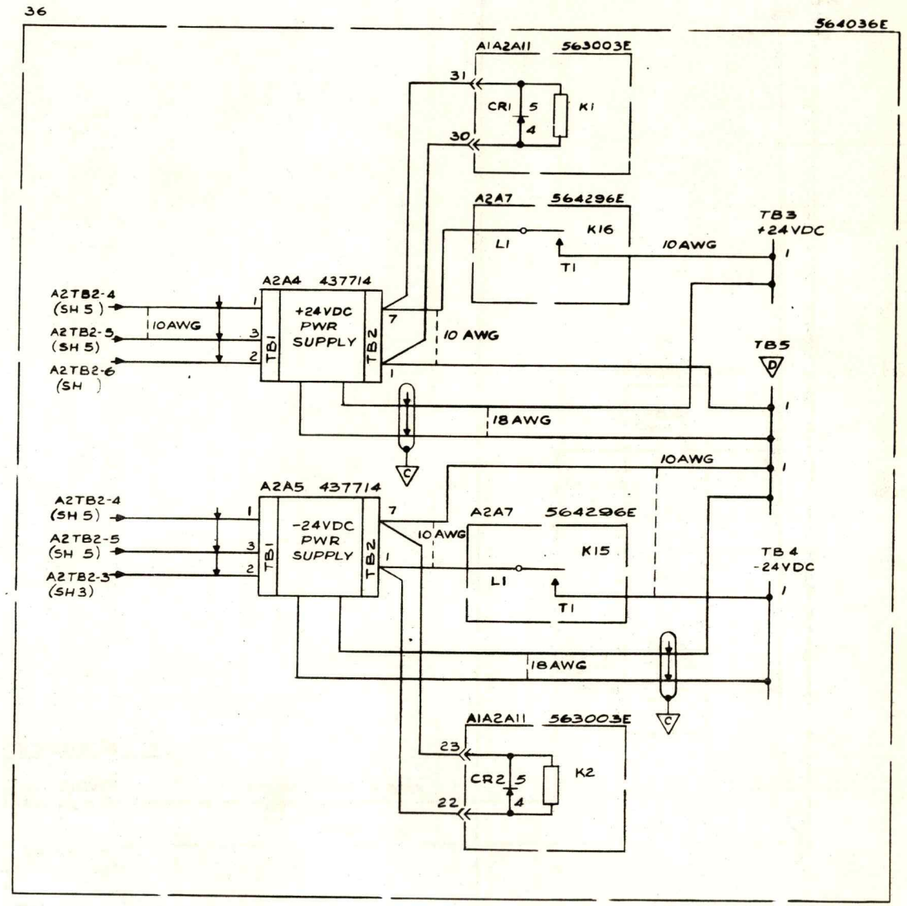


Figure 8-132. Power ± 10V Drift (Sheet 4 of 8)

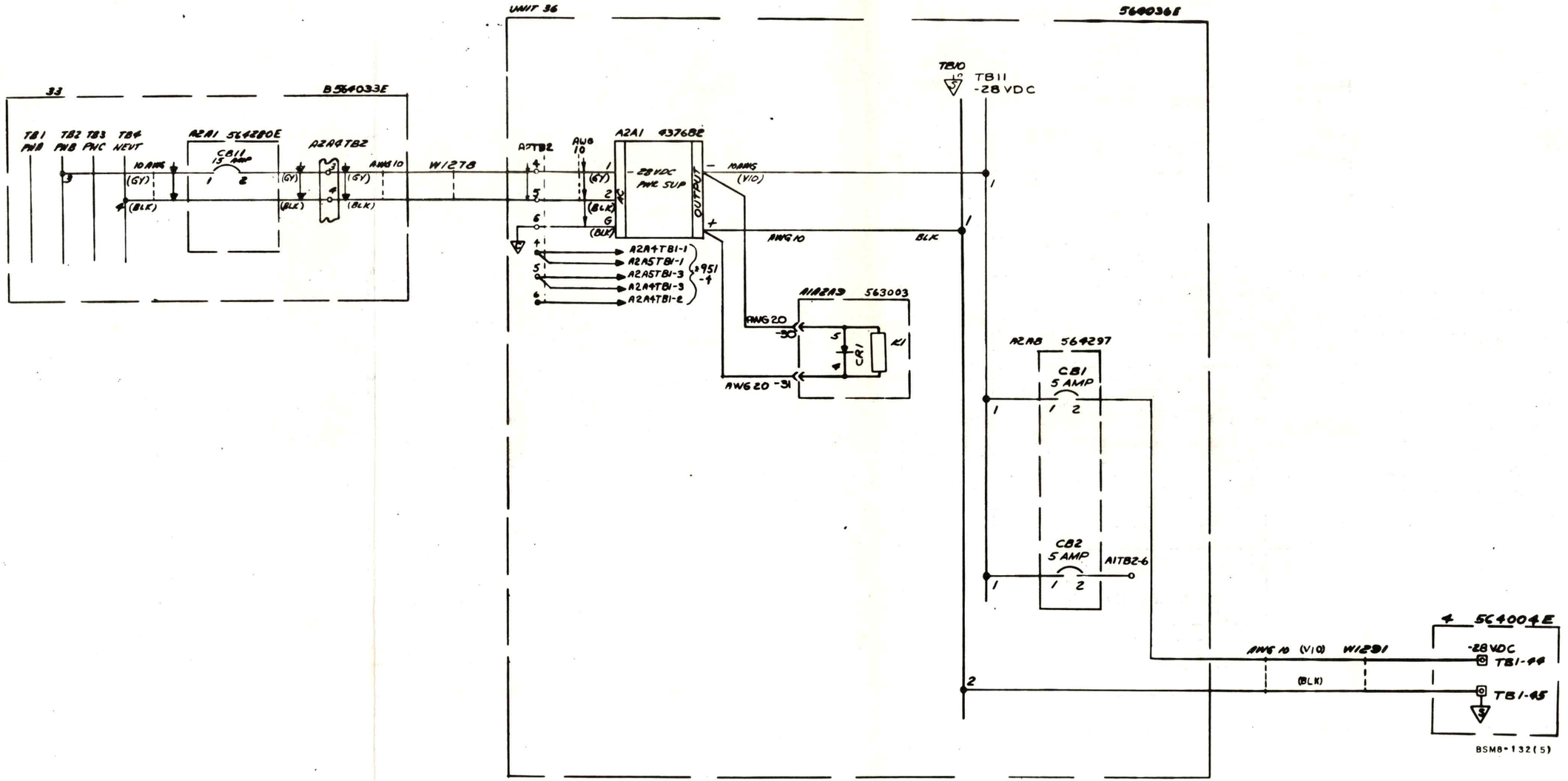


Figure 8-132. Power ± 10V Drift (Sheet 5 of 8)

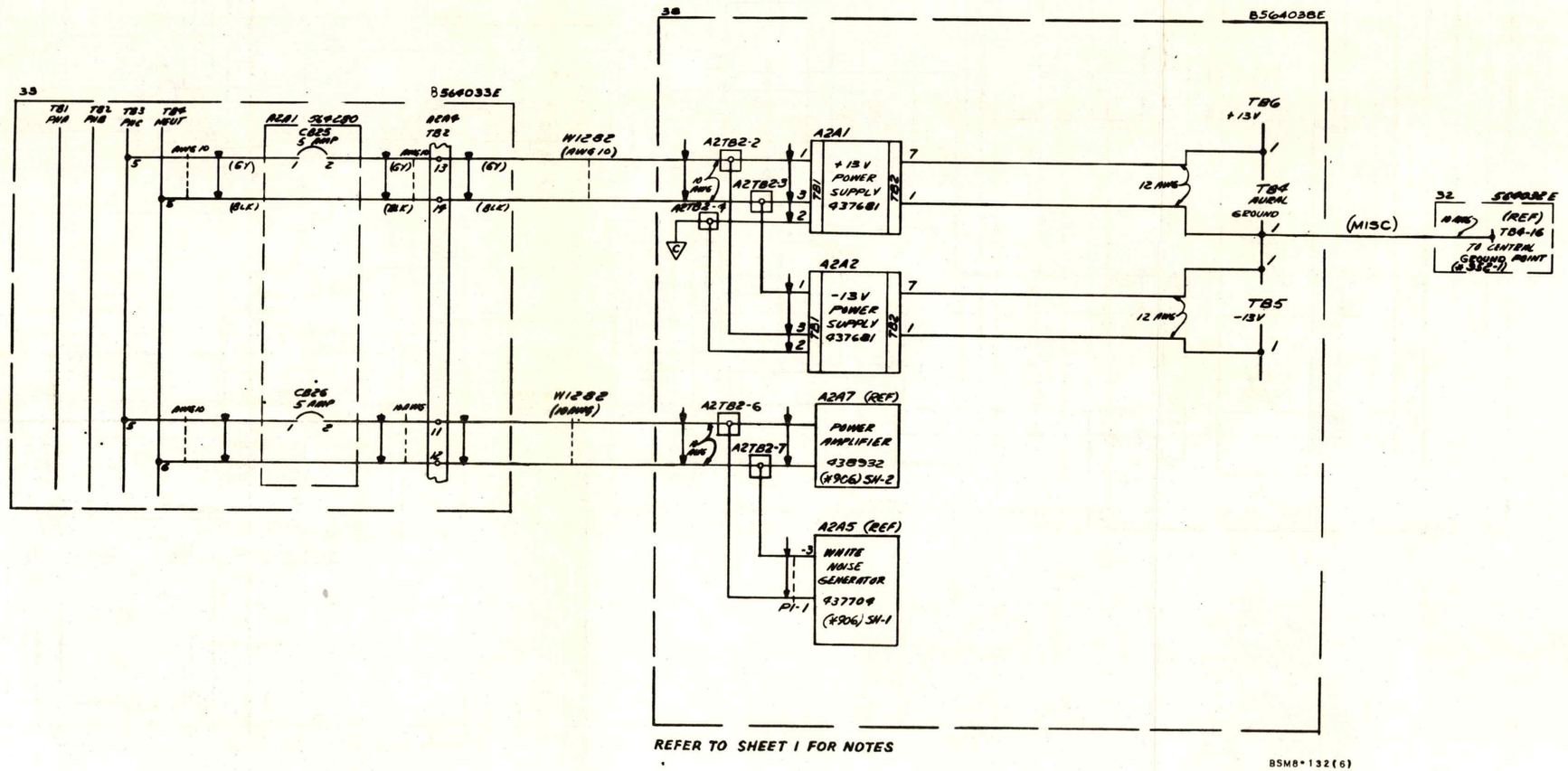
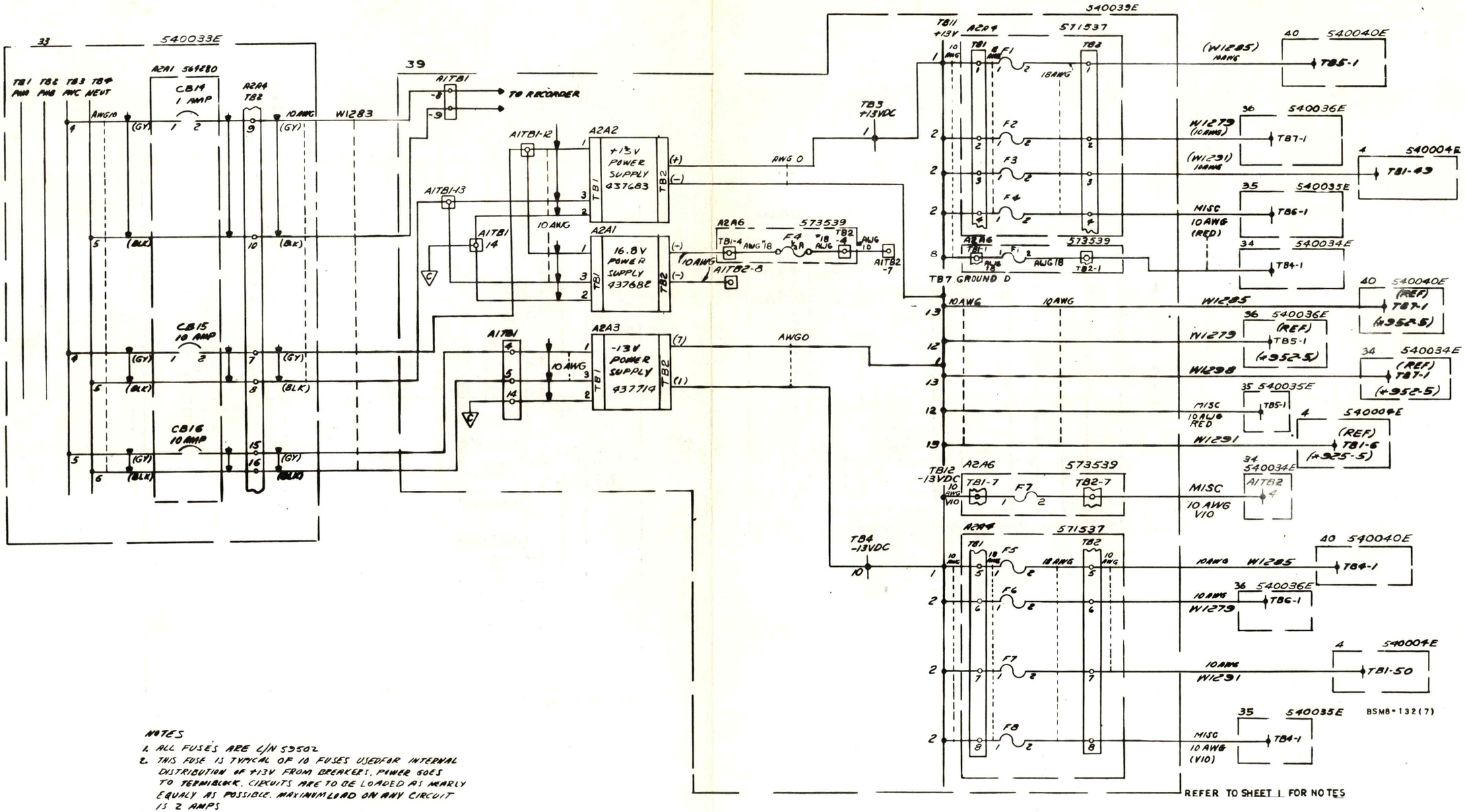


Figure 8-132. Power ± 10V Drift (Sheet 6 of 8)



NOTES

1. ALL FUSES ARE C/N 53502
2. THIS FUSE IS TYPICAL OF 10 FUSES USEDFOR INTERNAL DISTRIBUTION OF +13V FROM BREAKERS. POWER GOES TO TERMINALBLOCK. CIRCUITS ARE TO BE LOADED AS NEARLY EQUALY AS POSSIBLE. MAXIMUMLOAD ON ANY CIRCUIT IS 2 AMPS
3. THIS FUSE IS TYPICAL OF 2 FUSES USED FOR INTERNAL DISTRIBUTION OF -13V. DISTRIBUTION IS THE SAME AS+13V

Figure 8-132. Power ± 10V Drift (Sheet 7 of 8)

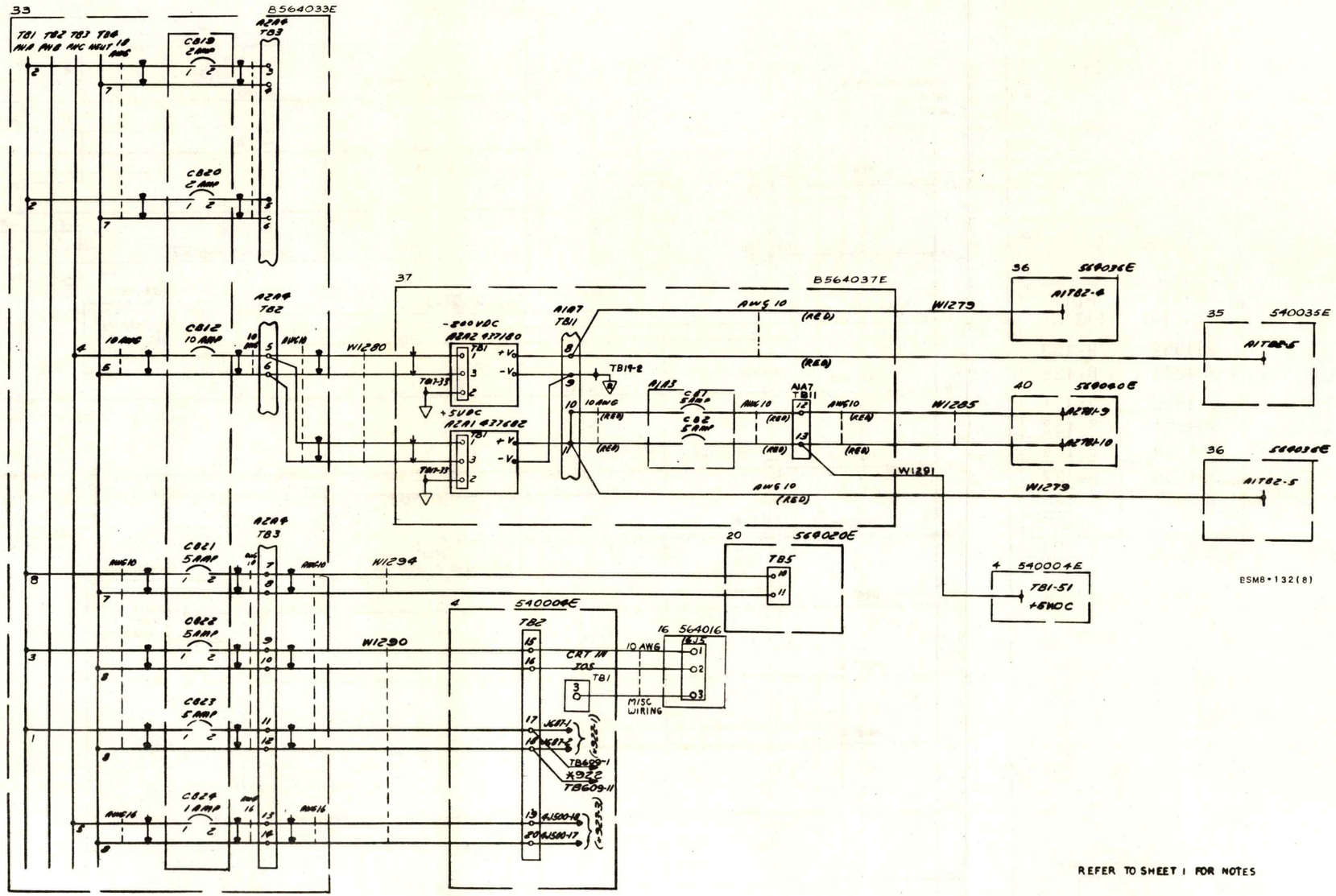
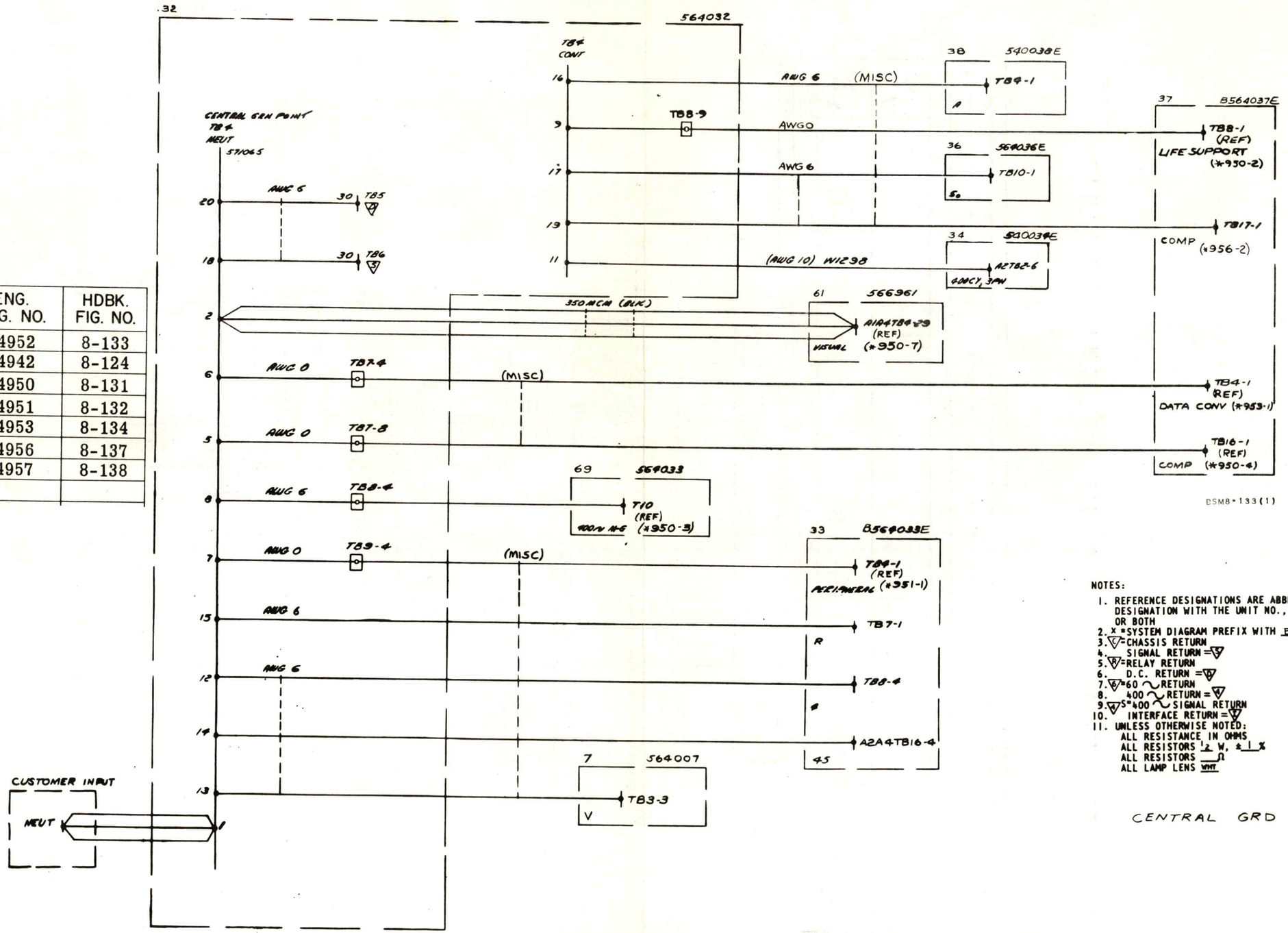


Figure 8-132. Power ± 10V Drift (Sheet 8 of 8)

ENG. DWG. NO.	HDBK. FIG. NO.
564952	8-133
564942	8-124
564950	8-131
564951	8-132
564953	8-134
564956	8-137
564957	8-138



BSM8*133(1)

NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. X = SYSTEM DIAGRAM PREFIX WITH B564
3. ▽ = CHASSIS RETURN
4. ▽ = SIGNAL RETURN
5. ▽ = RELAY RETURN
6. ▽ = D.C. RETURN
7. ▽ = 60 ~ RETURN
8. ▽ = 400 ~ RETURN
9. ▽S = 400 ~ SIGNAL RETURN
10. ▽ = INTERFACE RETURN
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS 1/2 W, ± 1 %
    ALL RESISTORS ⎍
    ALL LAMP LENS WHT

CENTRAL GRD POINT

Figure 8-133. Power Ground System (Sheet 1 of 11)

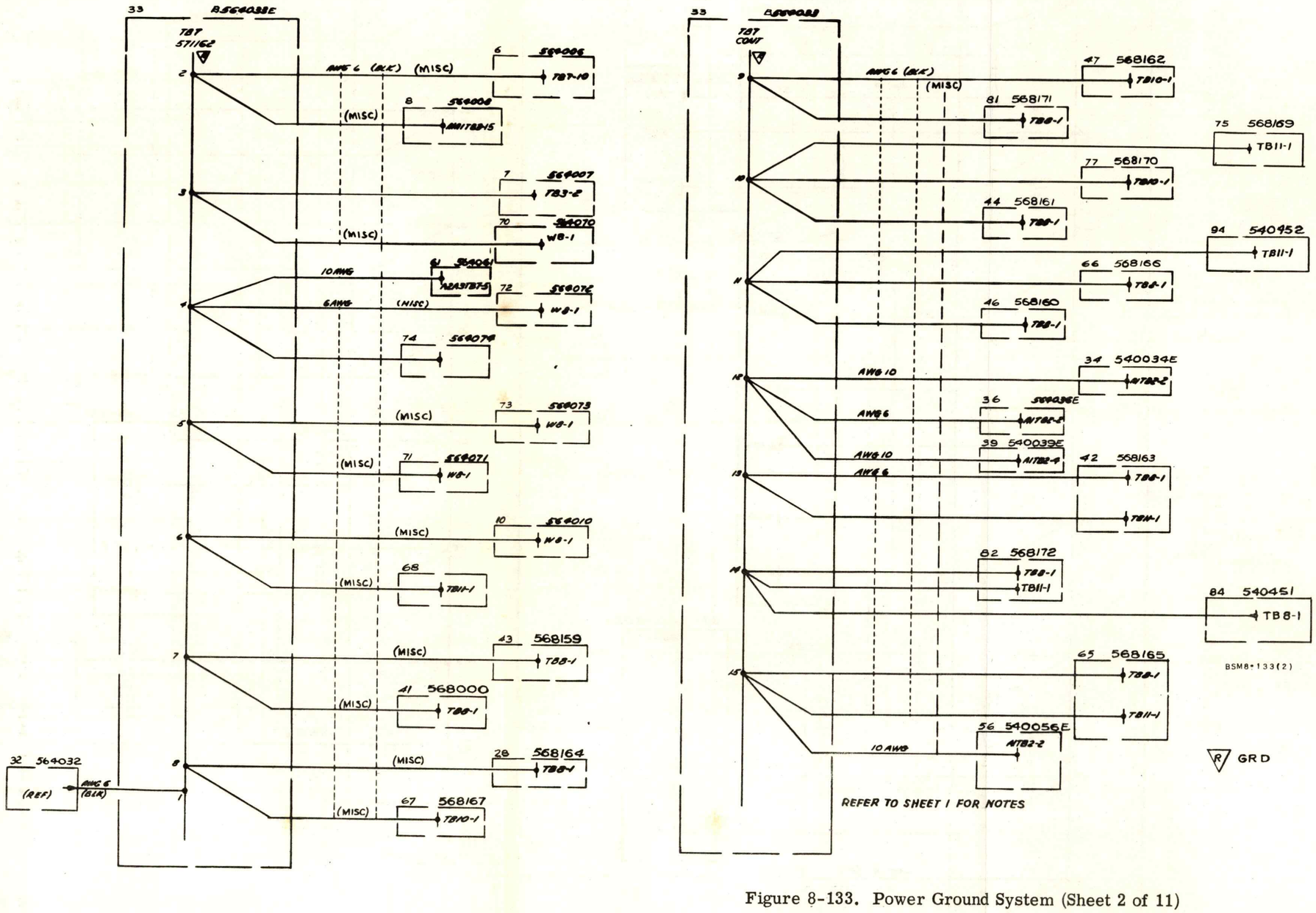


Figure 8-133. Power Ground System (Sheet 2 of 11)

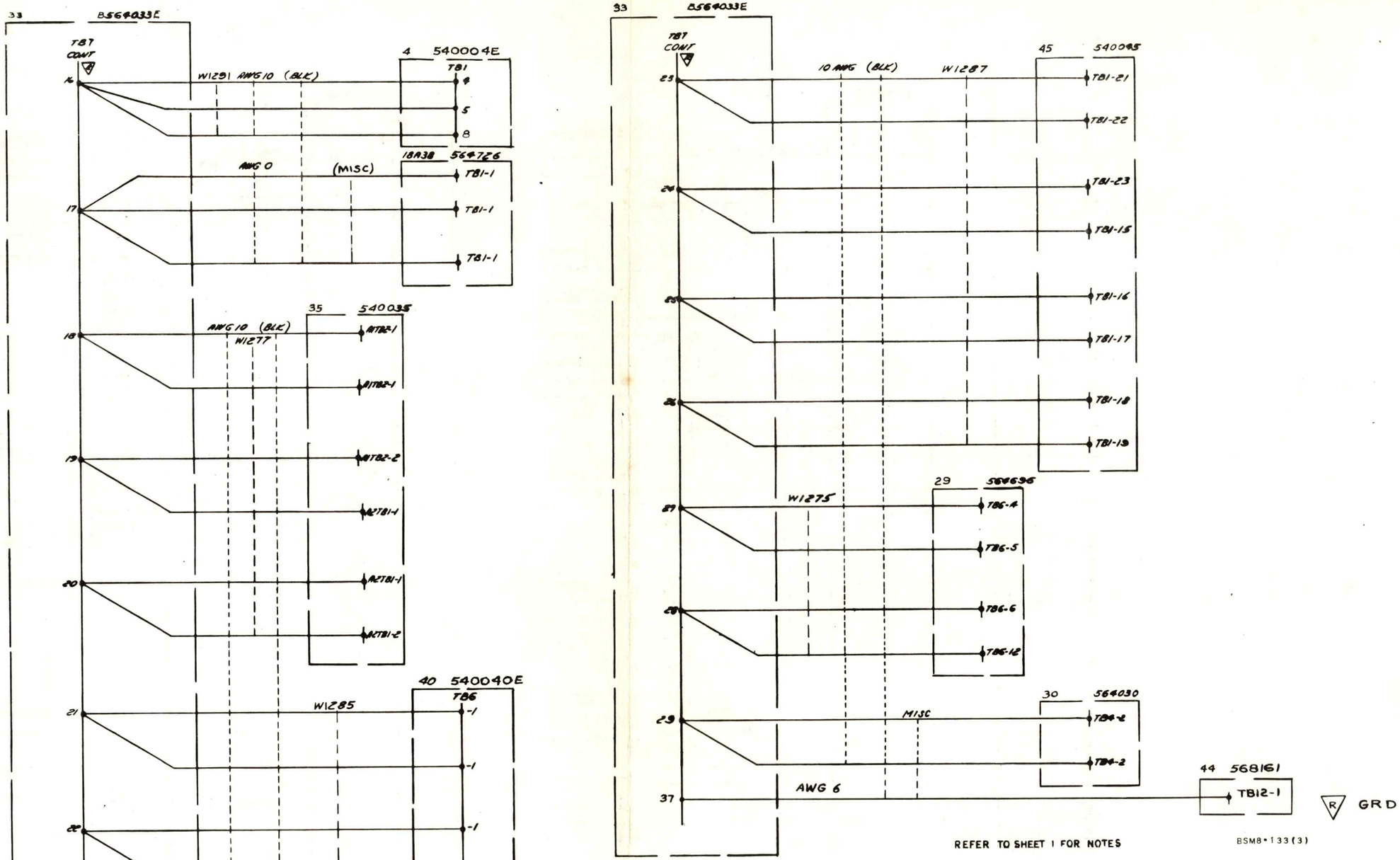
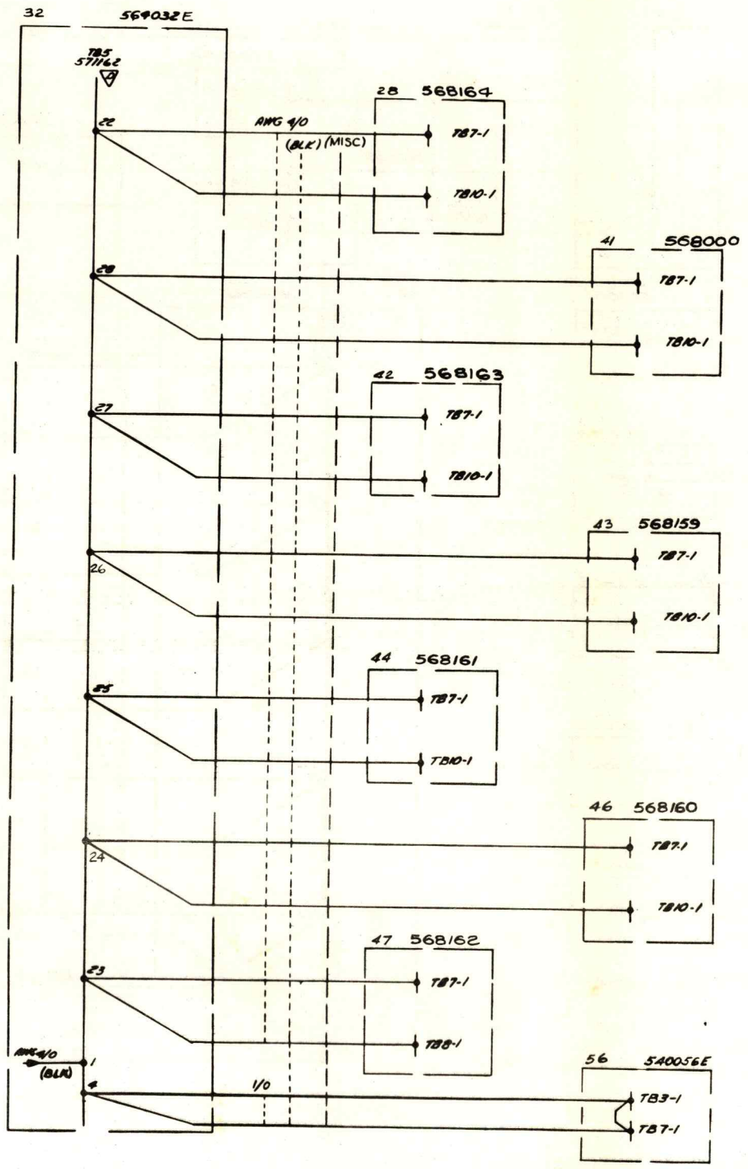


Figure 8-133. Power Ground System (Sheet 3 of 11)



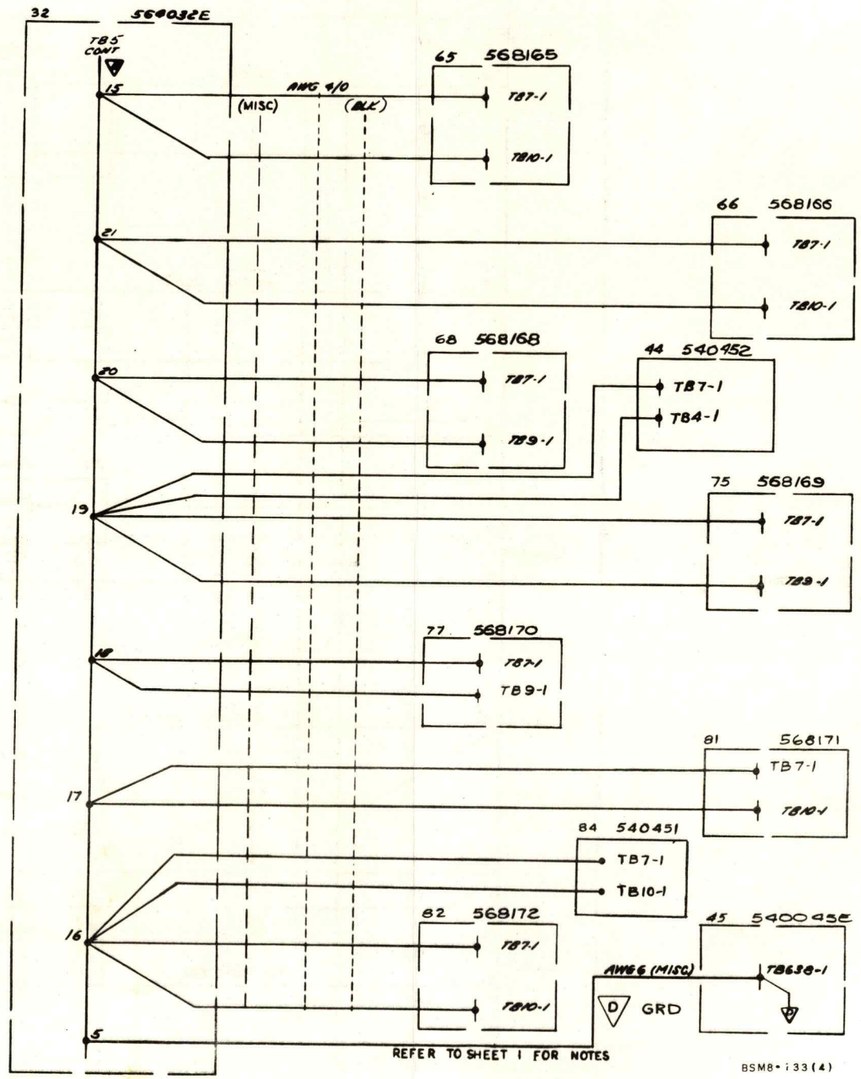


Figure 8-133. Power Ground System (Sheet 4 of 11)

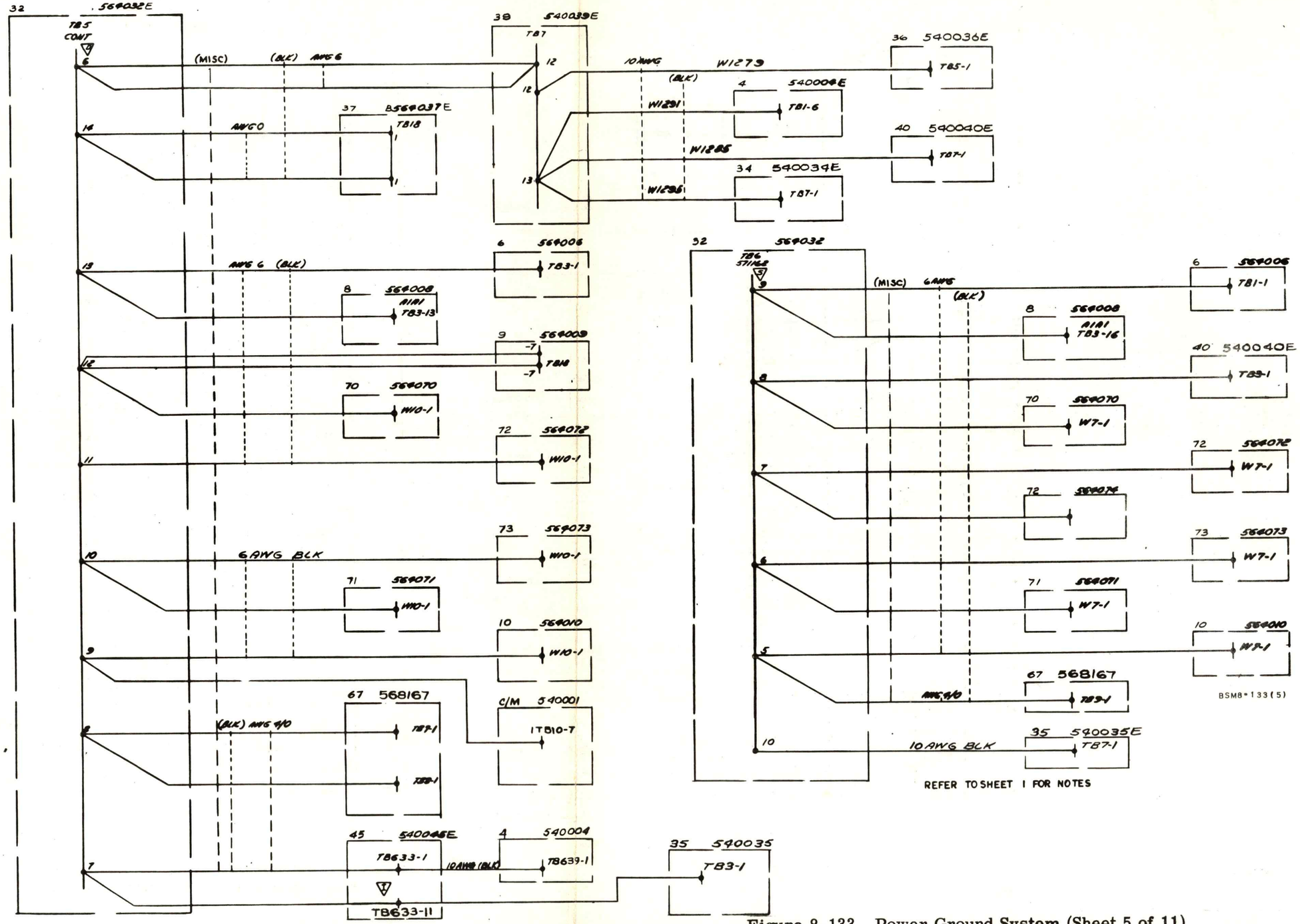


Figure 8-133. Power Ground System (Sheet 5 of 11)

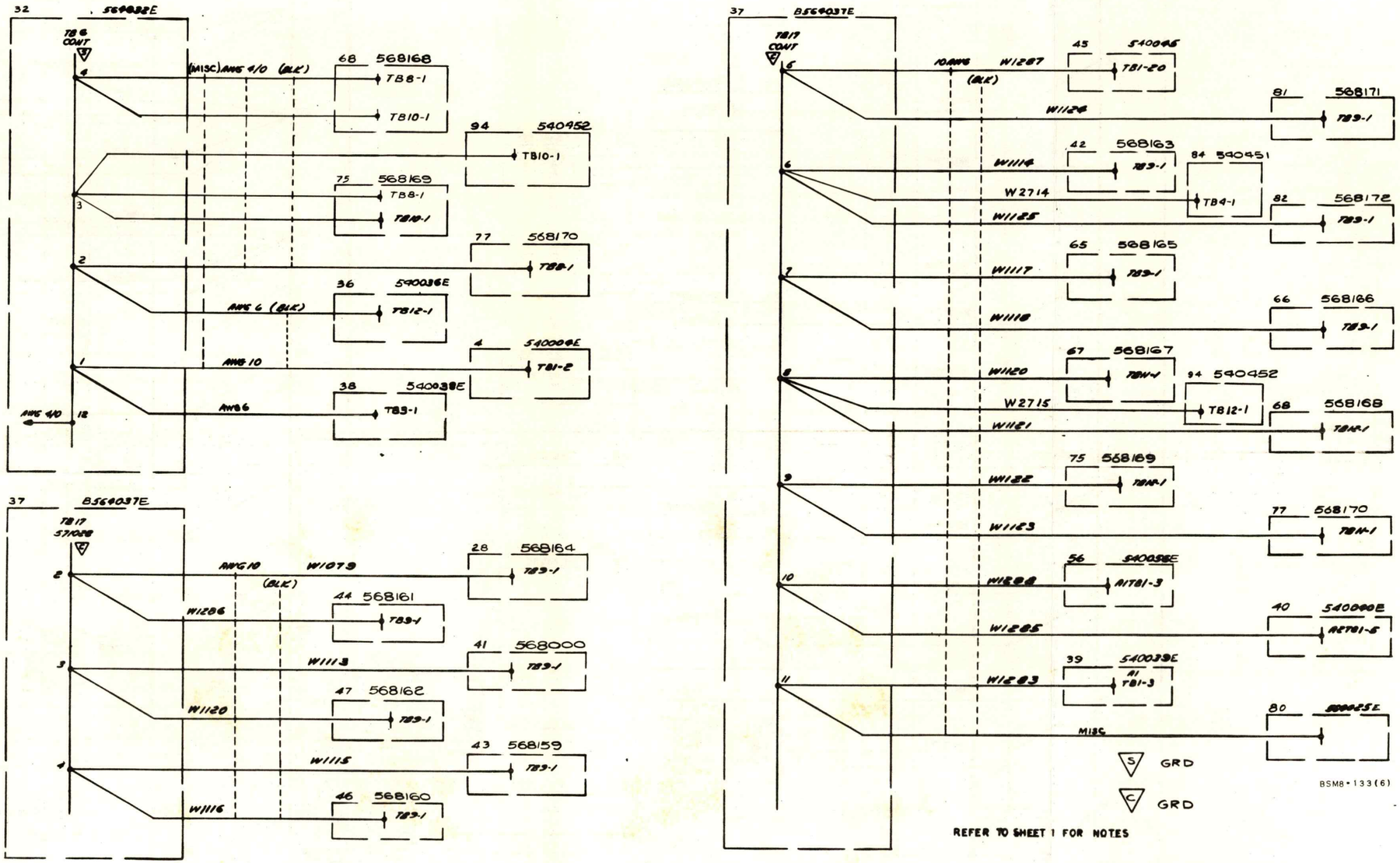


Figure 8-133. Power Ground System (Sheet 6 of 11)

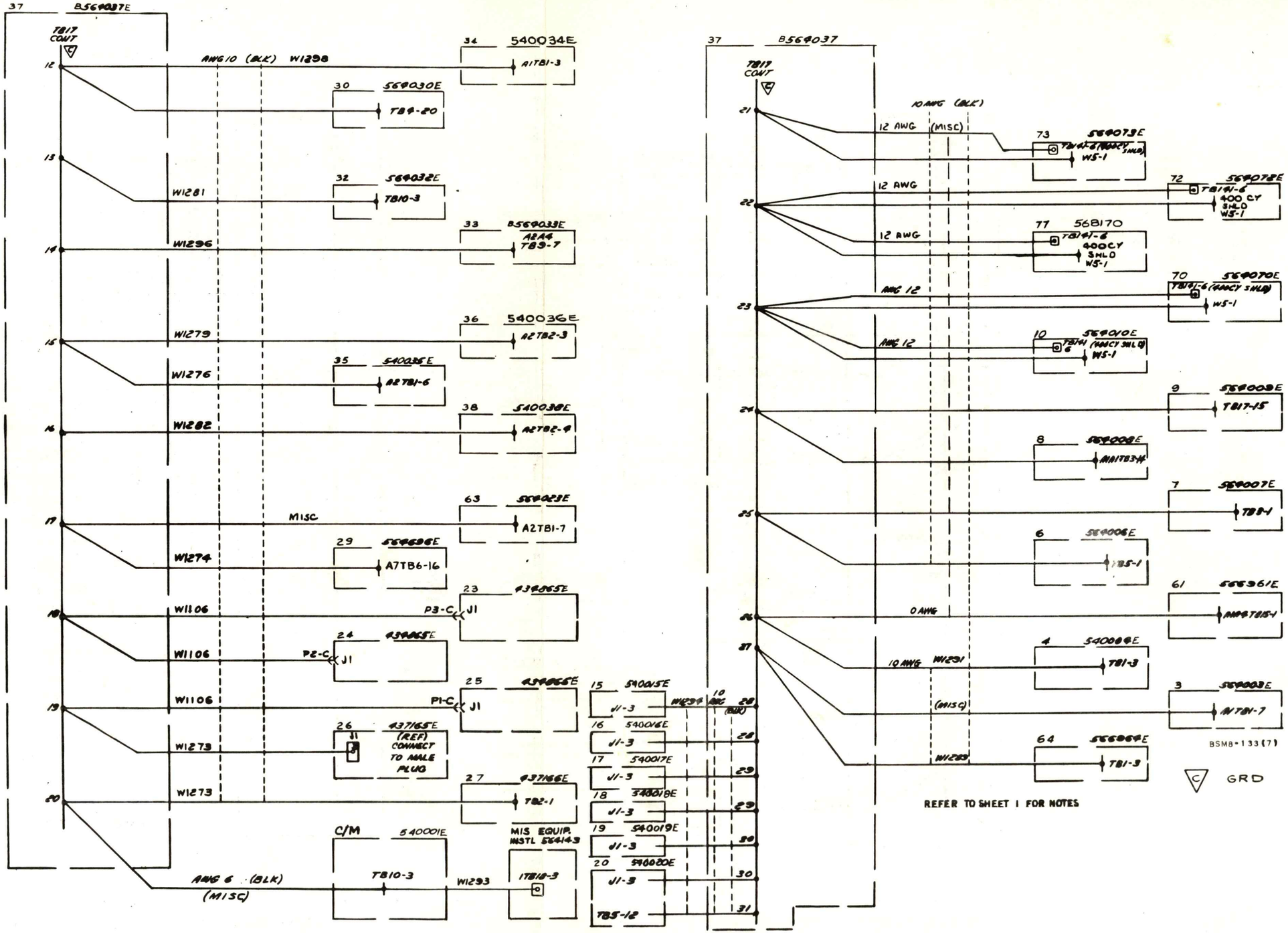
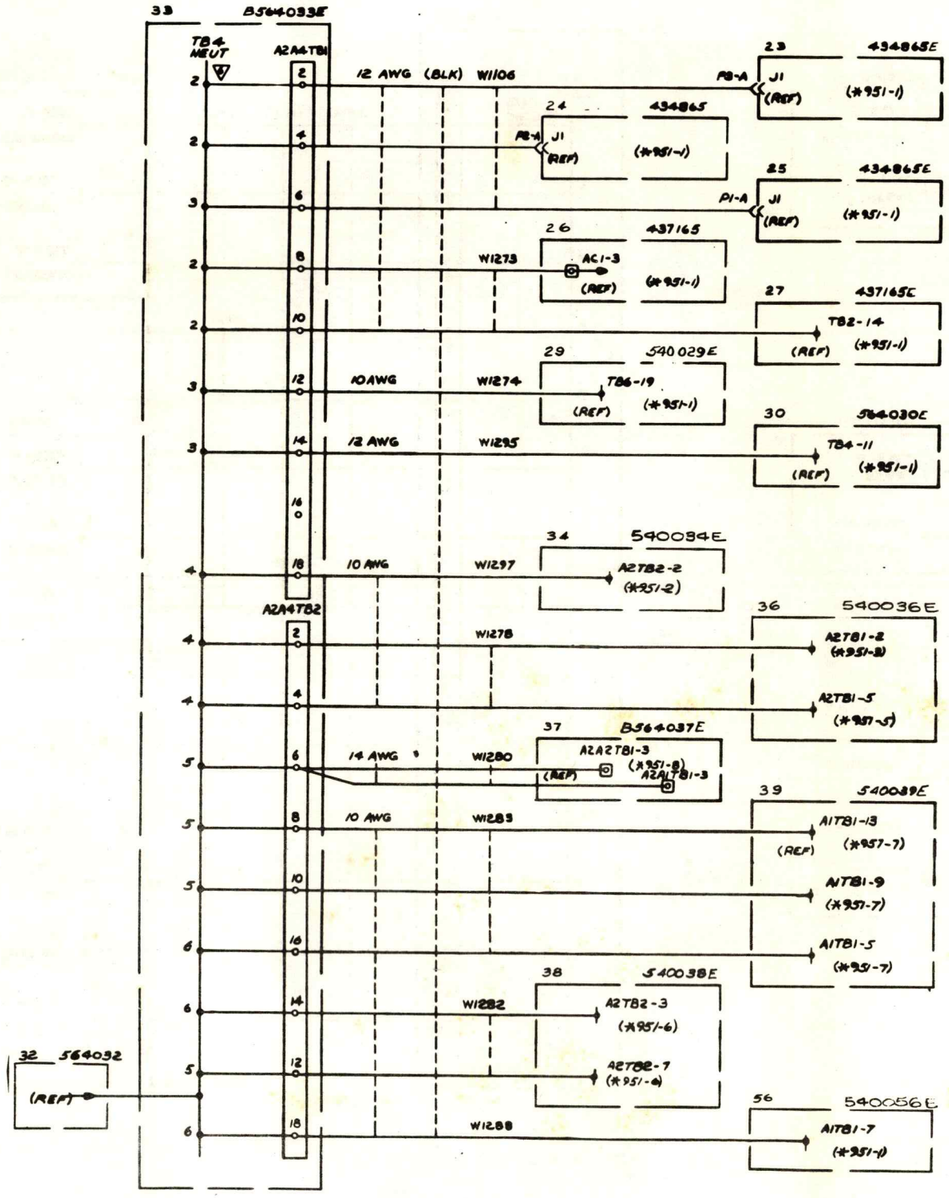
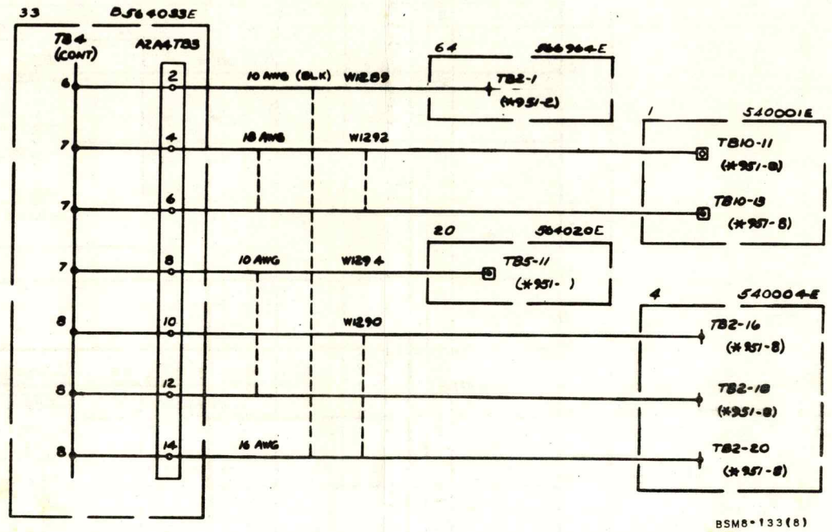


Figure 8-133. Power Ground System (Sheet 7 of 11)

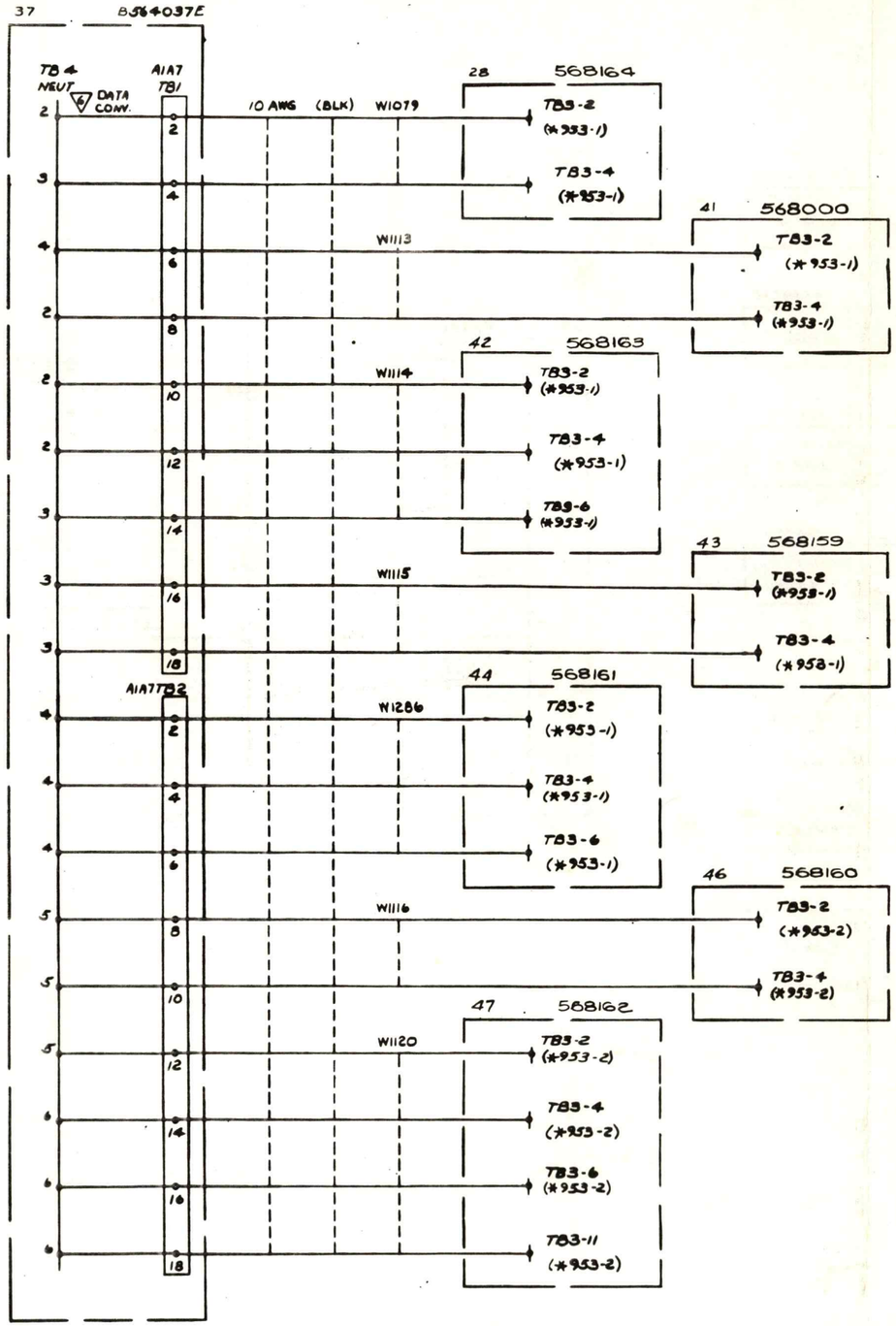


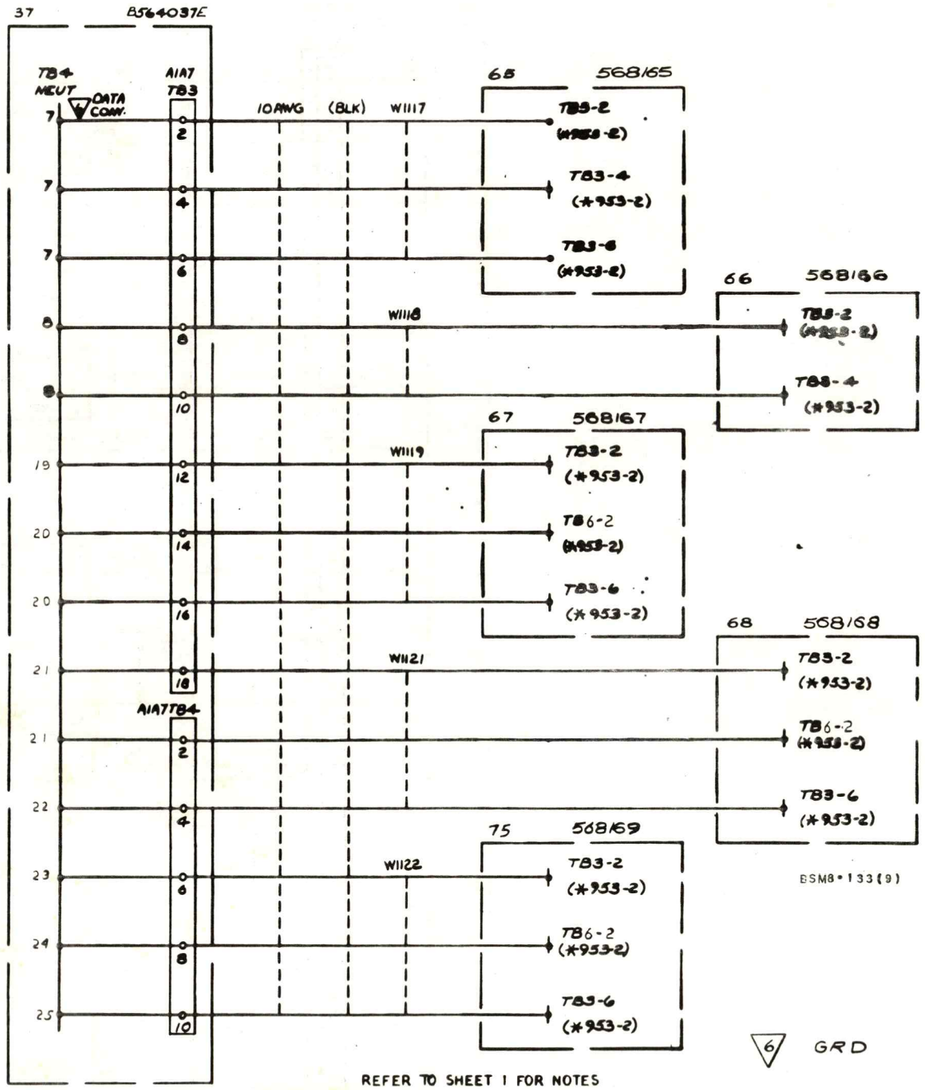


6 GRD

REFER TO SHEET 1 FOR NOTES

Figure 8-133. Power Ground System (Sheet 8 of 11)





NOTE:
ALL LEADS ON THIS SHEET ARE FOR REF. THEY ARE SHOWN TWISTED WITH HOT LEAD ON SYS. 564953

Figure 8-133. Power Ground System (Sheet 9 of 11)

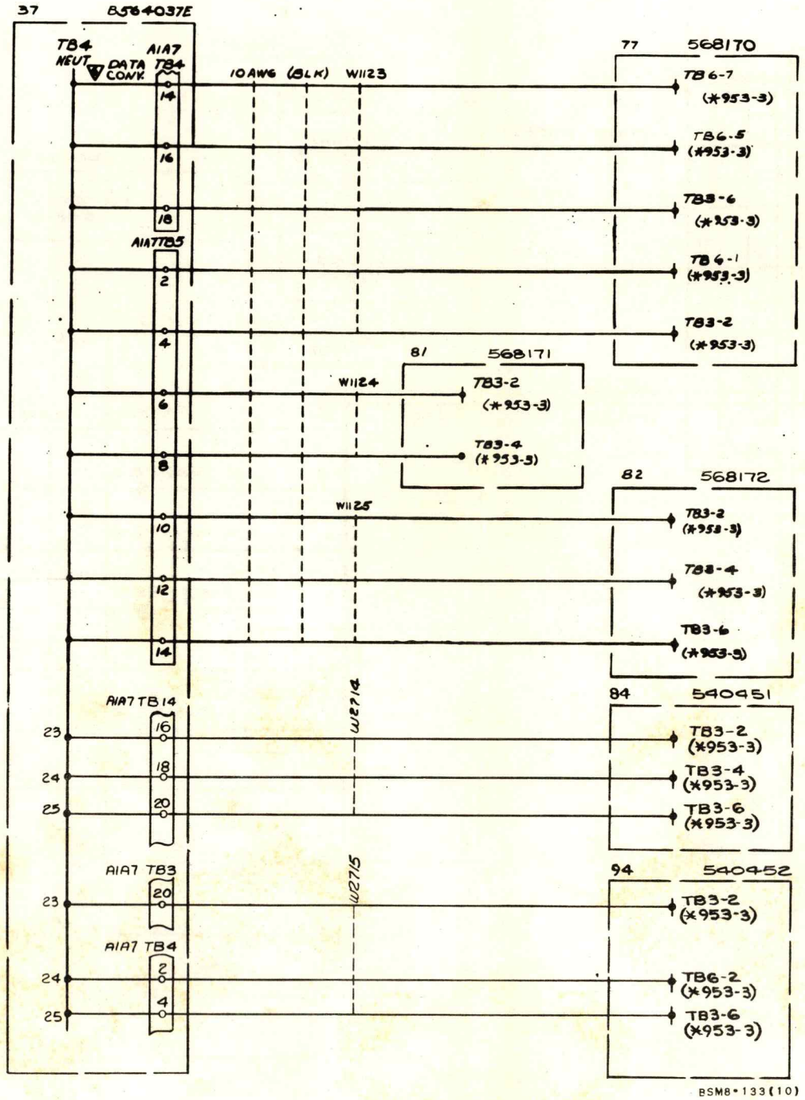
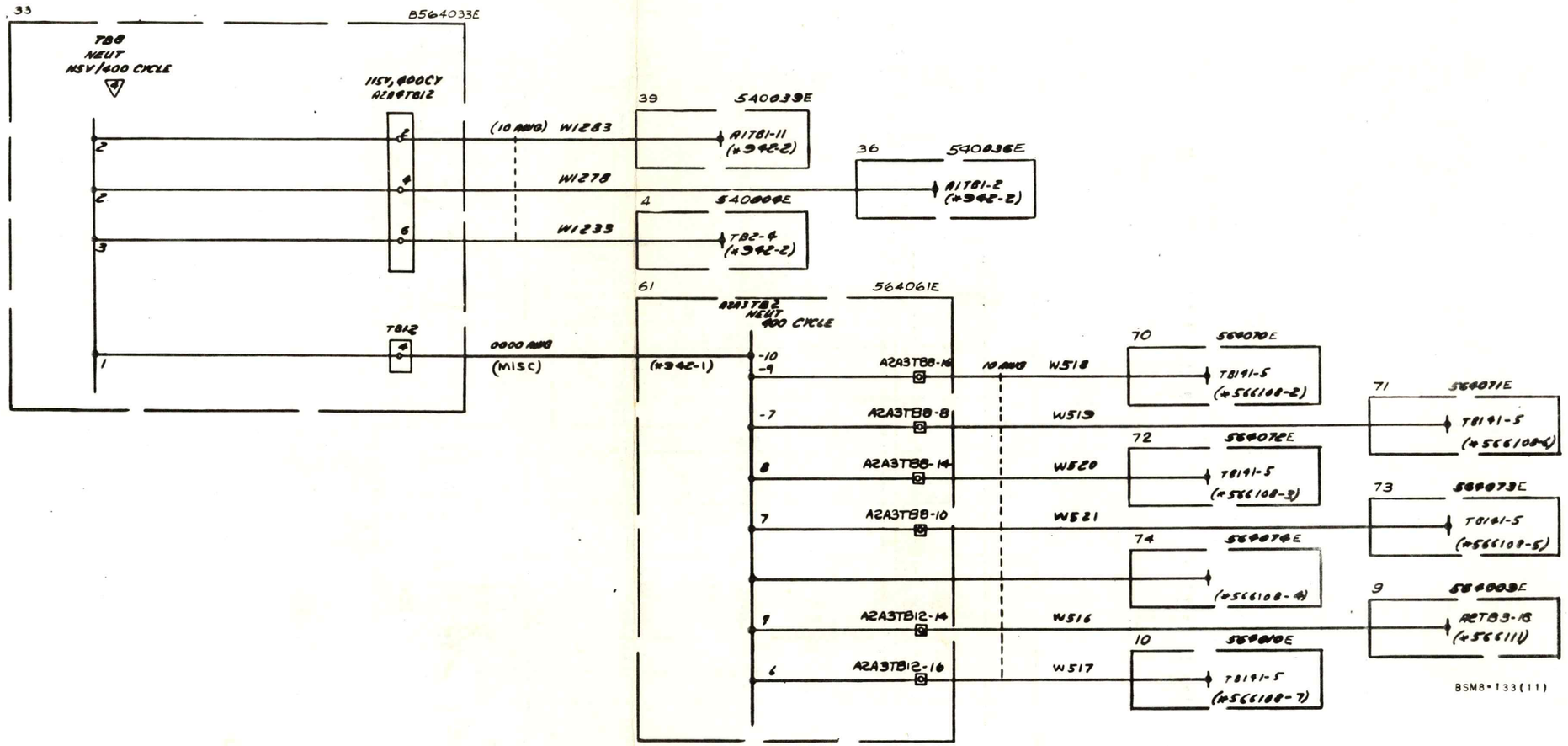
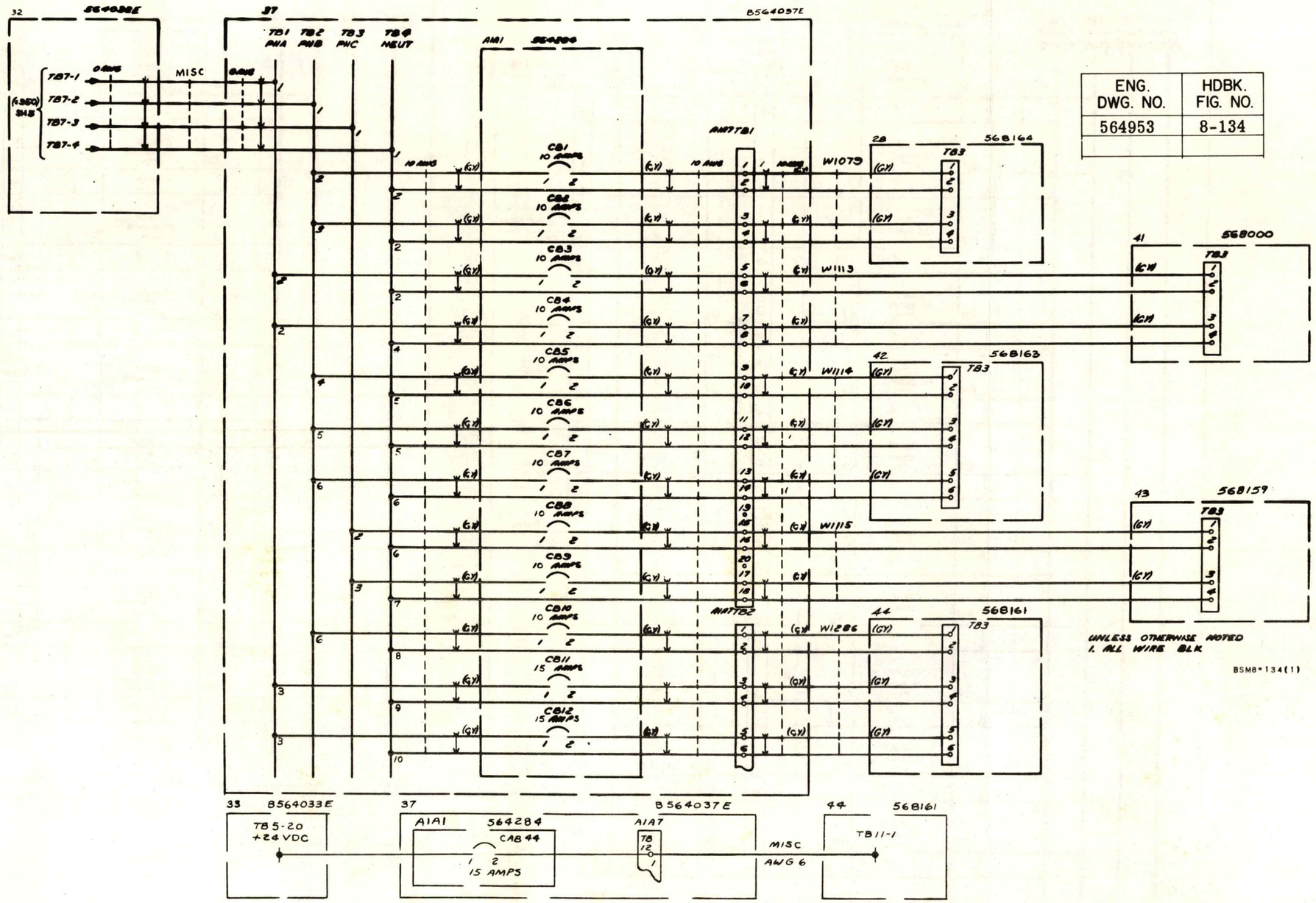


Figure 8-133. Power Ground System (Sheet 10 of 11)



NOTE:
ALL LEADS ON THIS SHEET ARE FOR REF ONLY
THEY ARE SHOWN TWISTED WITH THEIR RESPECTIVE
HOT LEAD, ON SYSTEM'S AS INDICATED.

Figure 8-133. Power Ground System (Sheet 11 of 11)



ENG. DWG. NO.	HDBK. FIG. NO.
564953	8-134

Figure 8-134. Power System Diagram DCE Power Distribution (Sheet 1 of 3)

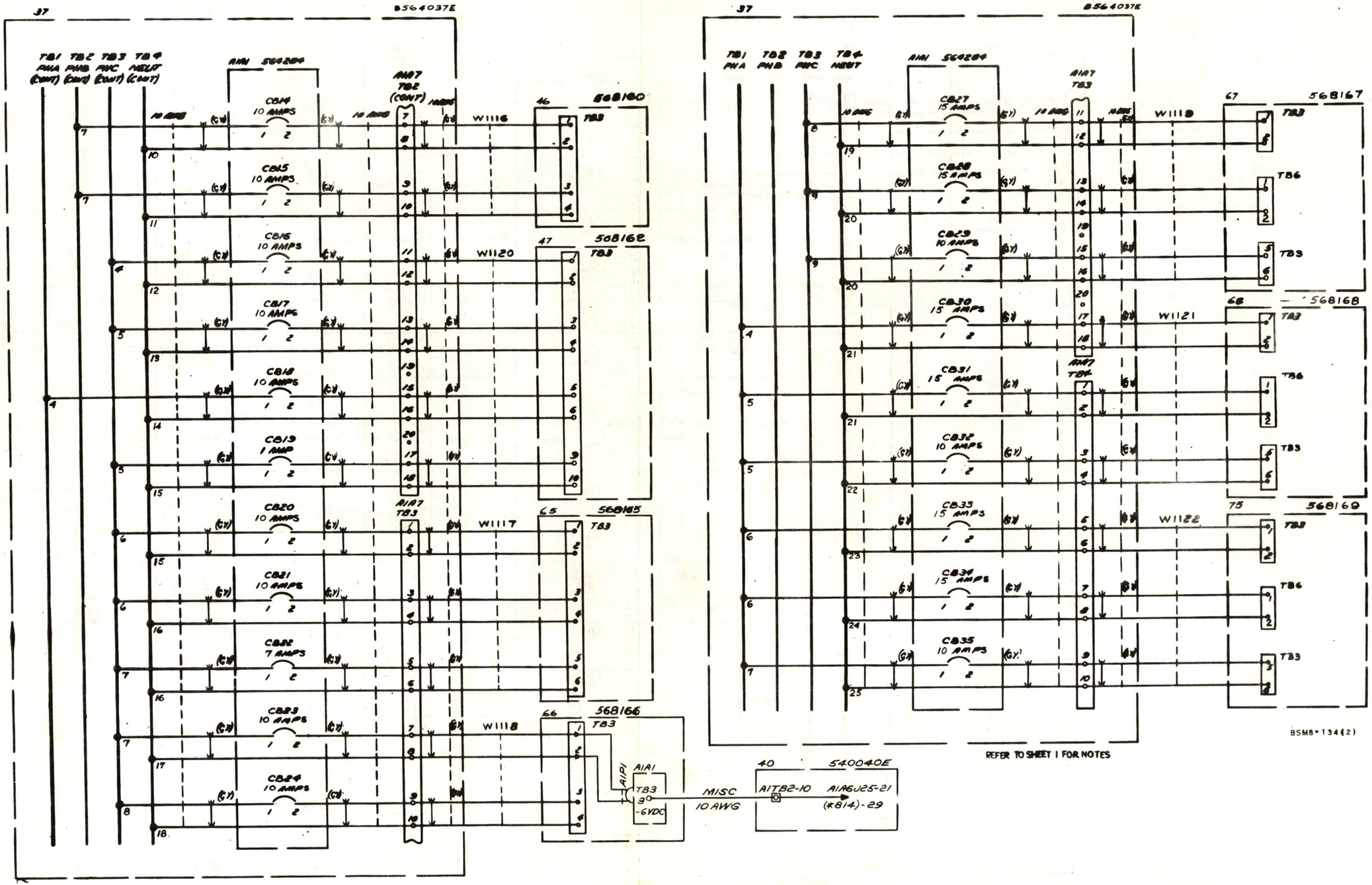


Figure 8-134. Power System Diagram DCE Power Distribution (Sheet 2 of 3)

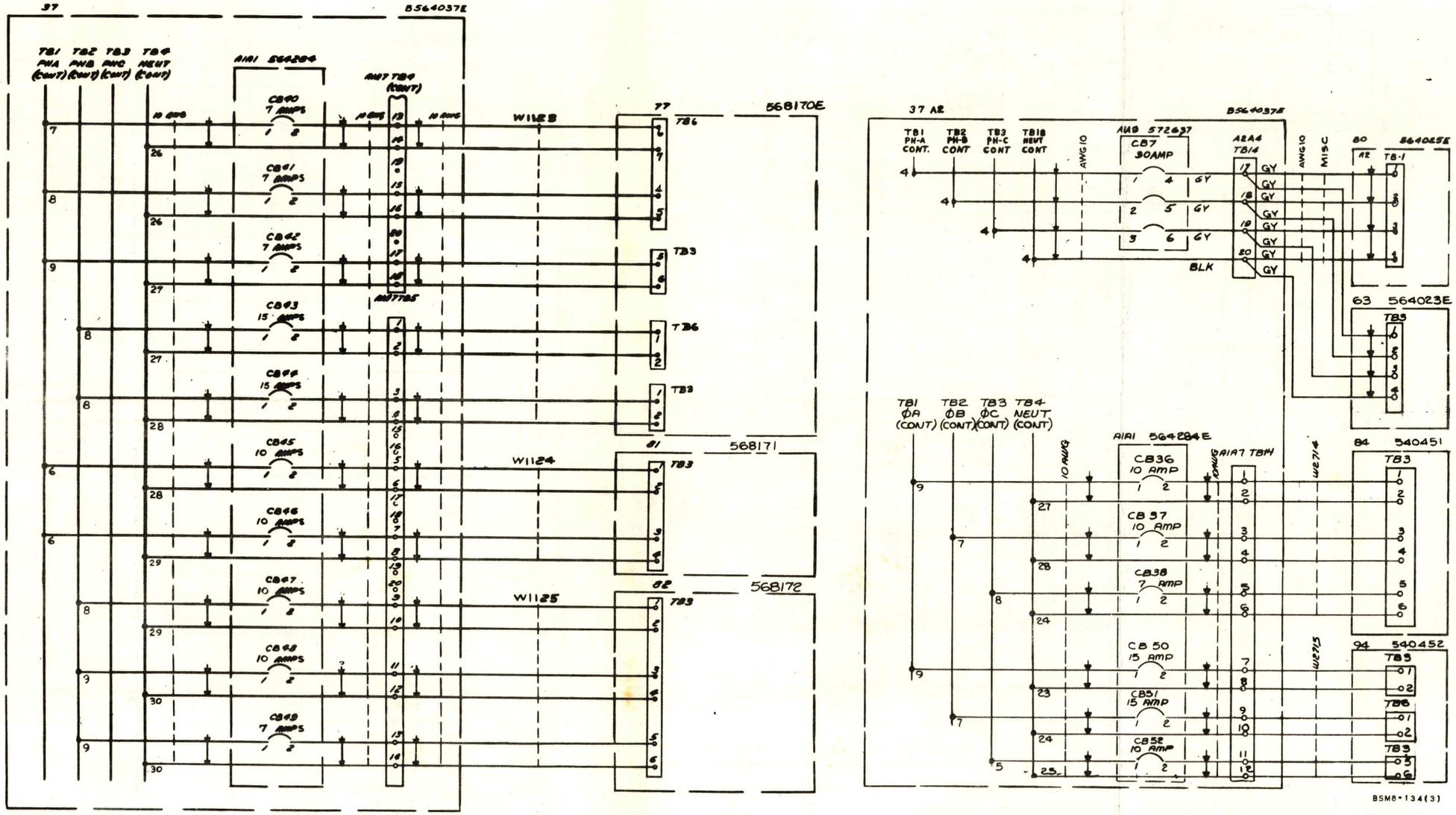
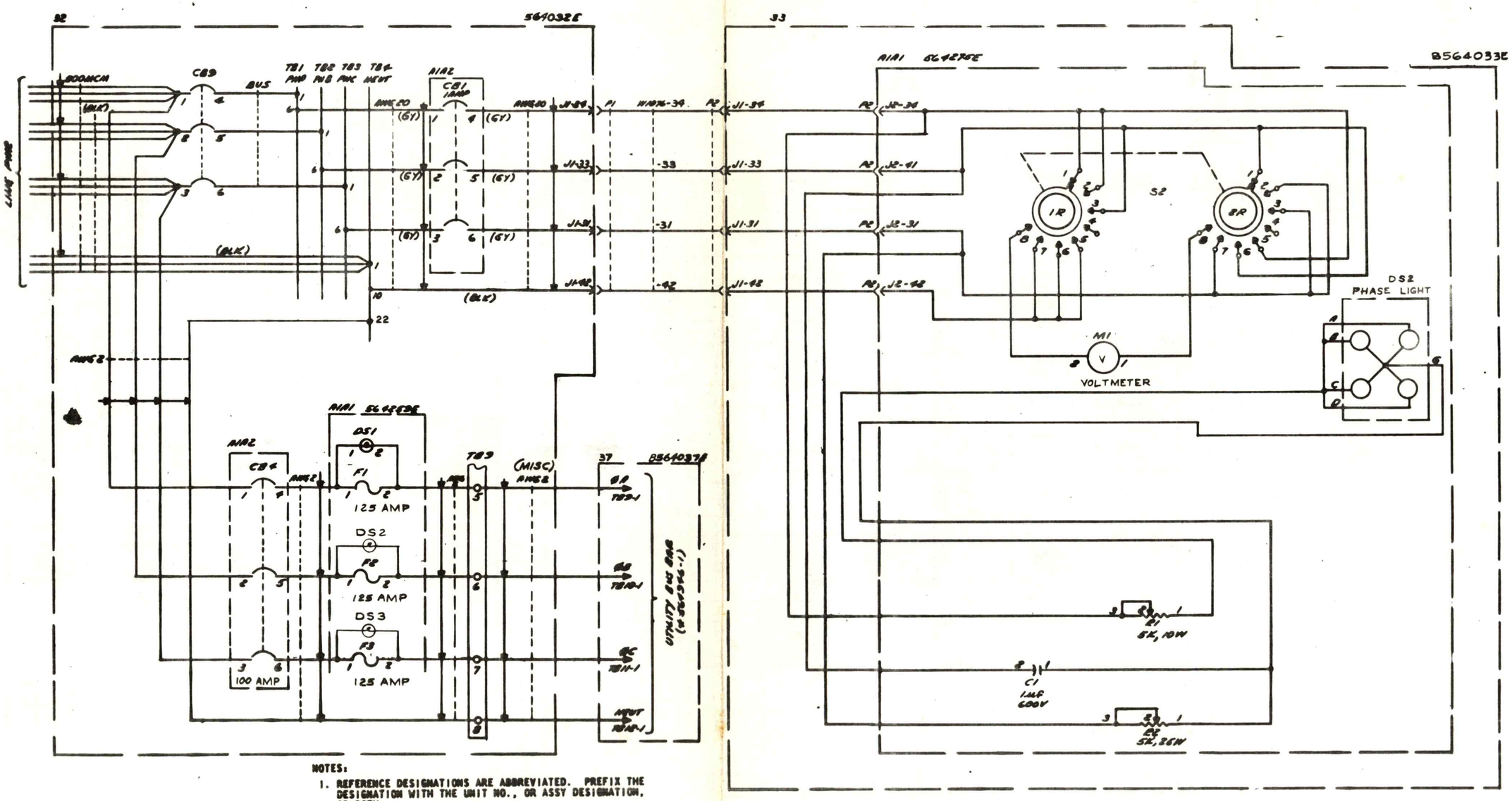


Figure 8-134. Power System Diagram DCE Power Distribution (Sheet 3 of 3)



NOTES:

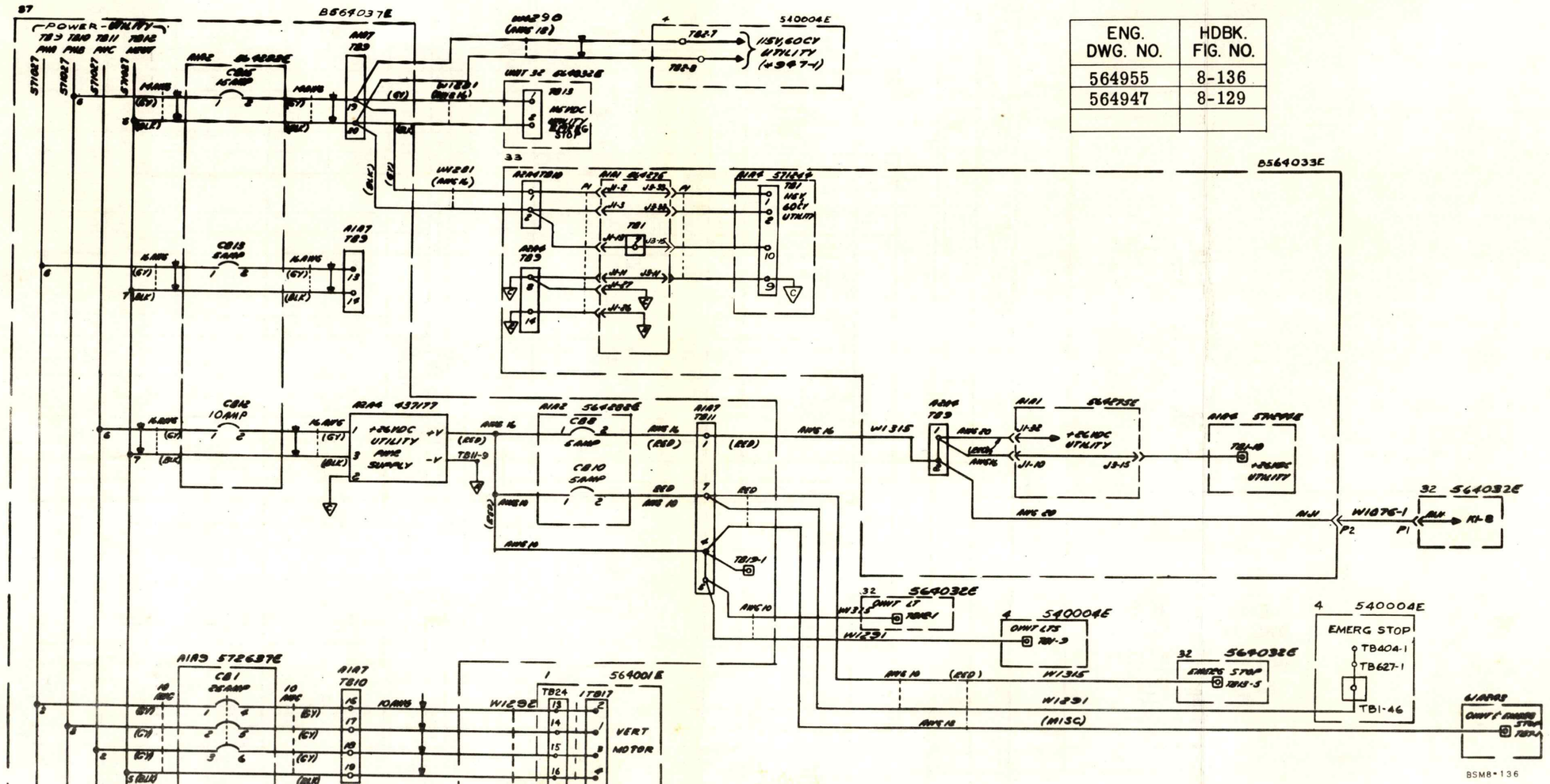
1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. #=SYSTEM DIAGRAM PREFIX WITH B564
3. ▽=CHASSIS RETURN
4. SIGNAL RETURN=▽
5. ▽=RELAY RETURN
6. D.C. RETURN =▽
7. ▽=60 ∿ RETURN
8. 400 ∿ RETURN=▽
9. ▽=400 ∿ SIGNAL RETURN
10. INTERFACE RETURN=▽
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS ¼ W, ±1%
    ALL W CONNECTORS LOCATED ON C/M DISCONNECT PANELS
    ALL LAMP LENS WHI

BSM8•135

ENG. DWG. NO.	HDBK. FIG. NO.
564954	8-135
564946	8-128

Figure 8-135. Power System Diagram Main Power Input

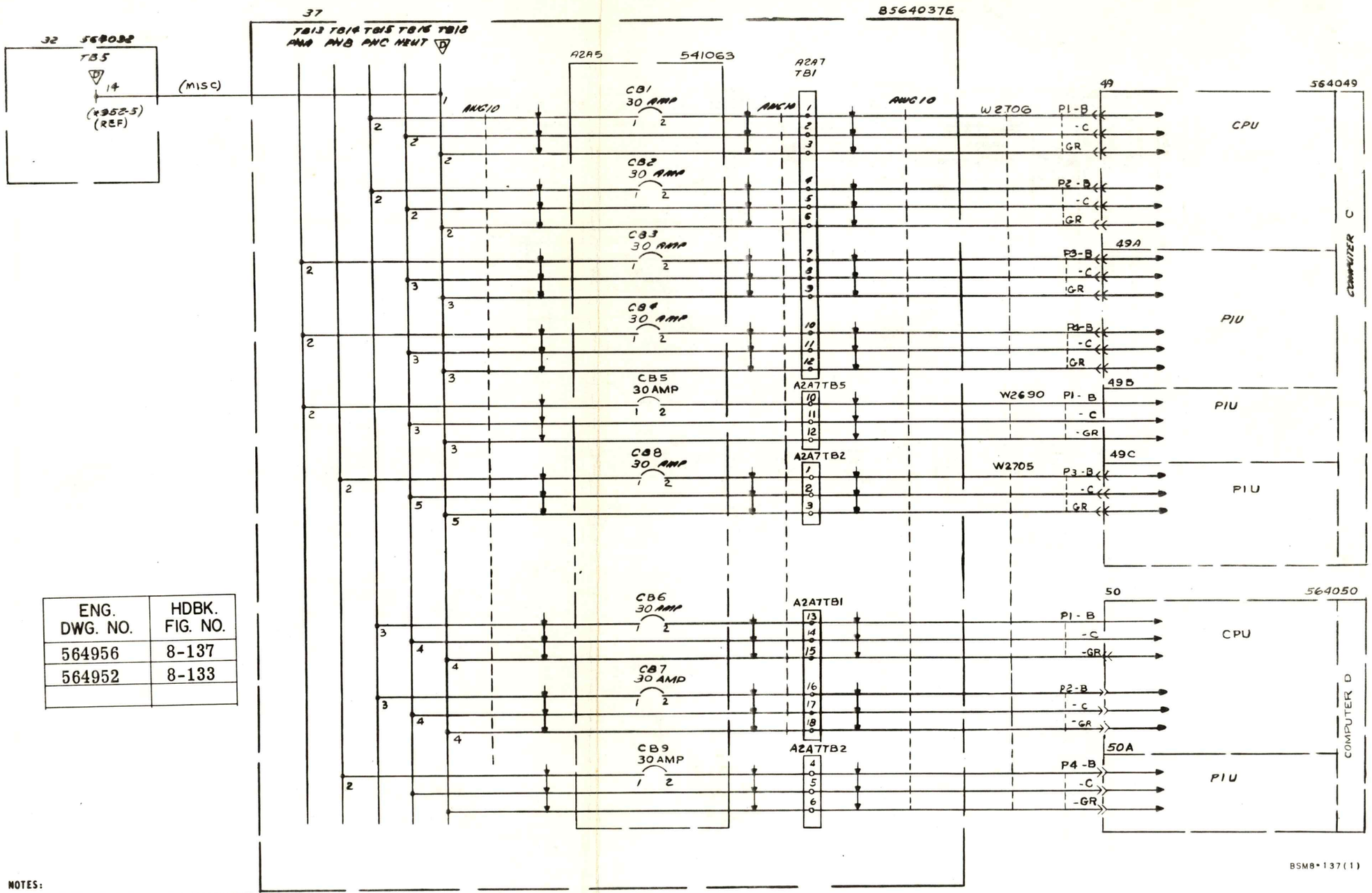
ENG. DWG. NO.	HDBK. FIG. NO.
564955	8-136
564947	8-129



NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. #=SYSTEM DIAGRAM PREFIX WITH B564
3. CHASSIS RETURN = ⏚
4. ▽=SIGNAL RETURN
5. RELAY RETURN = ▽
6. ▽=D.C. RETURN
7. 60 ∿ RETURN = ▽
8. ▽=400 ∿ RETURN
9. 400 ∿ SIGNAL RETURN = ▽ S
10. ▽=INTERFACE RETURN

Figure 8-136. Power Utility Power

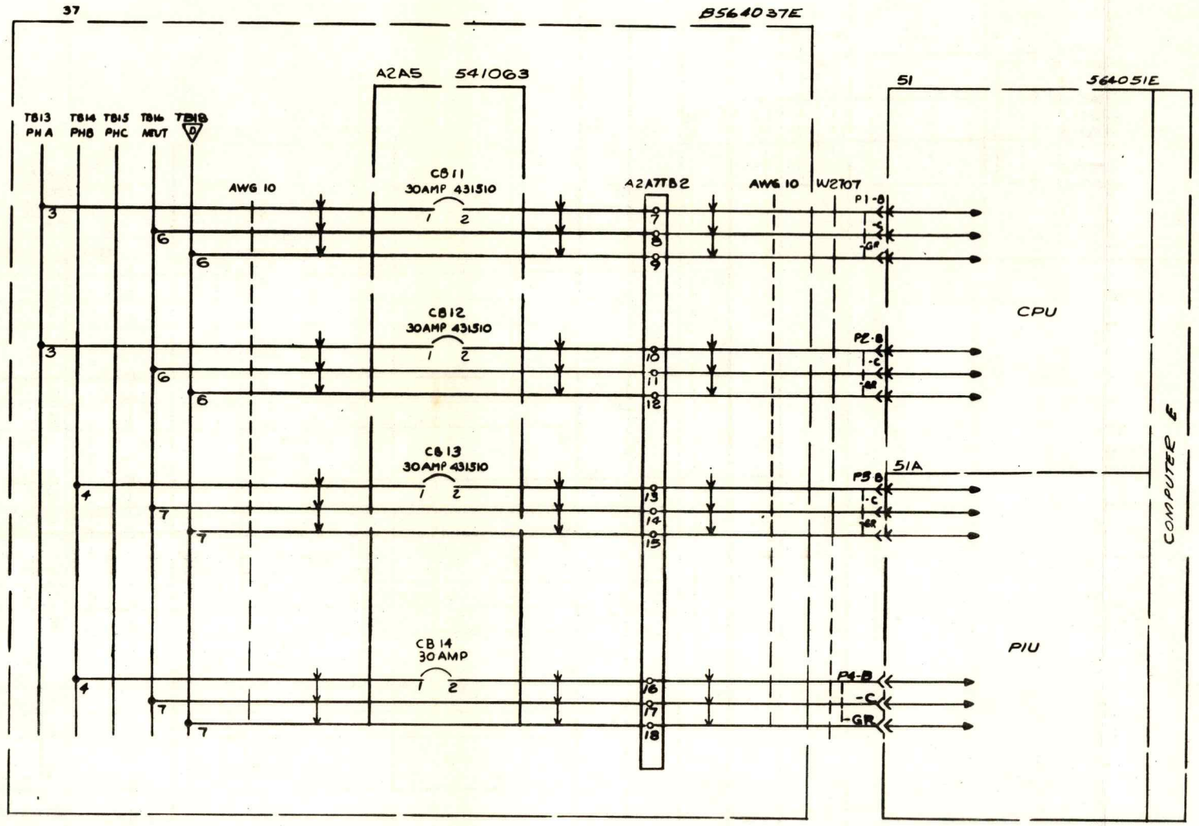


ENG. DWG. NO.	HDBK. FIG. NO.
564956	8-137
564952	8-133

NOTES:

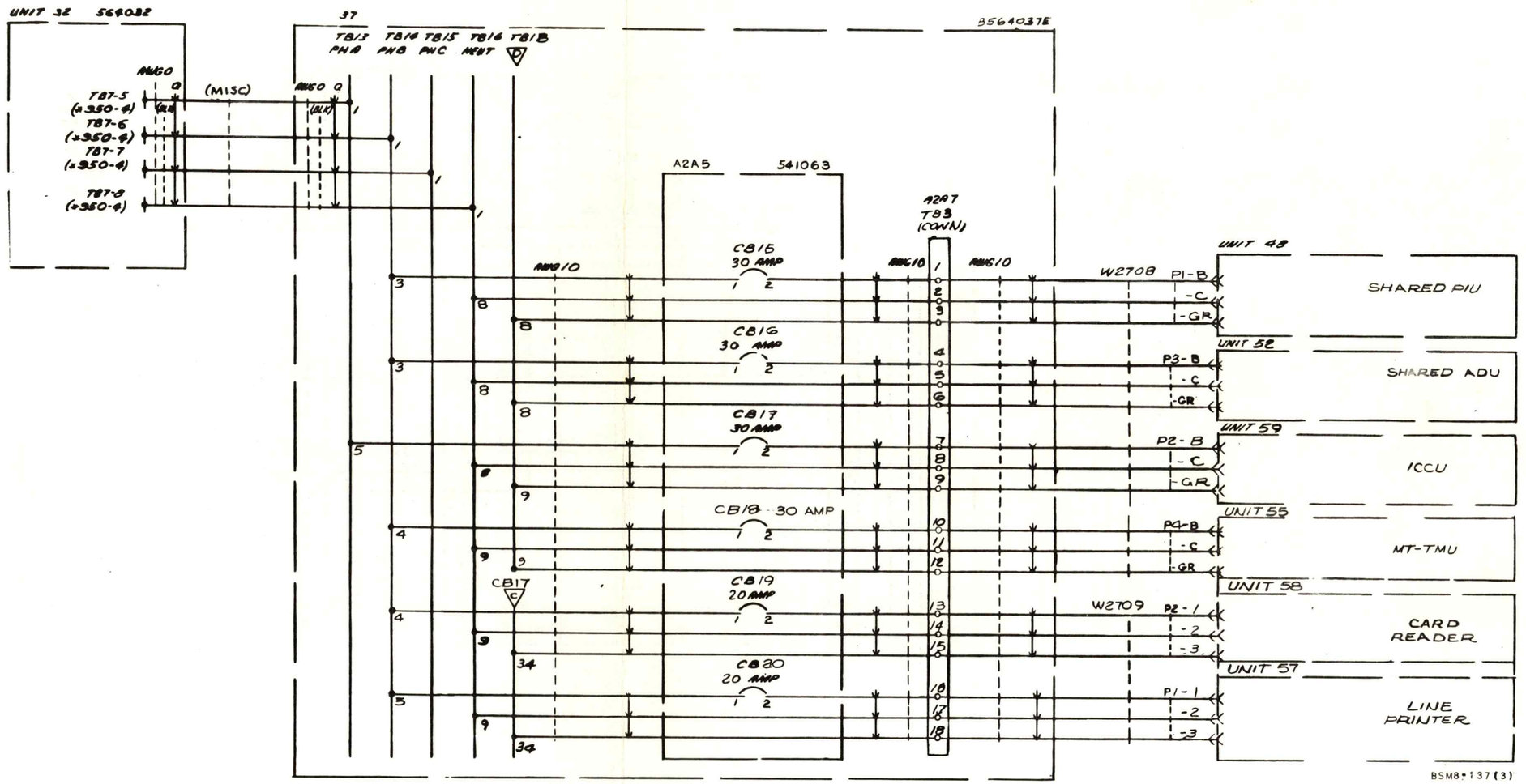
1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. *=SYSTEM DIAGRAM PREFIX WITH B 564
3. ▽=CHASSIS RETURN
4. SIGNAL RETURN=▽
5. ▽=RELAY RETURN
6. D.C. RETURN =▽
7. ▽=60 ∼RETURN
8. 400 ∼RETURN =▽
9. ▽=400 ∼SIGNAL RETURN
10. INTERFACE RETURN=▽
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS ¼ W, ±1 %
    ALL RESISTORS Ω
    ALL LAMP LENS

Figure 8-137. Power Comp. Distribution (Sheet 1 of 4)



REFER TO SHEET 1 FOR NOTES

Figure 8-137. Power Comp. Distribution (Sheet 2 of 4)



REFER TO SHEET 1 FOR NOTES

Figure 8-137. Power Comp. Distribution (Sheet 3 of 4)

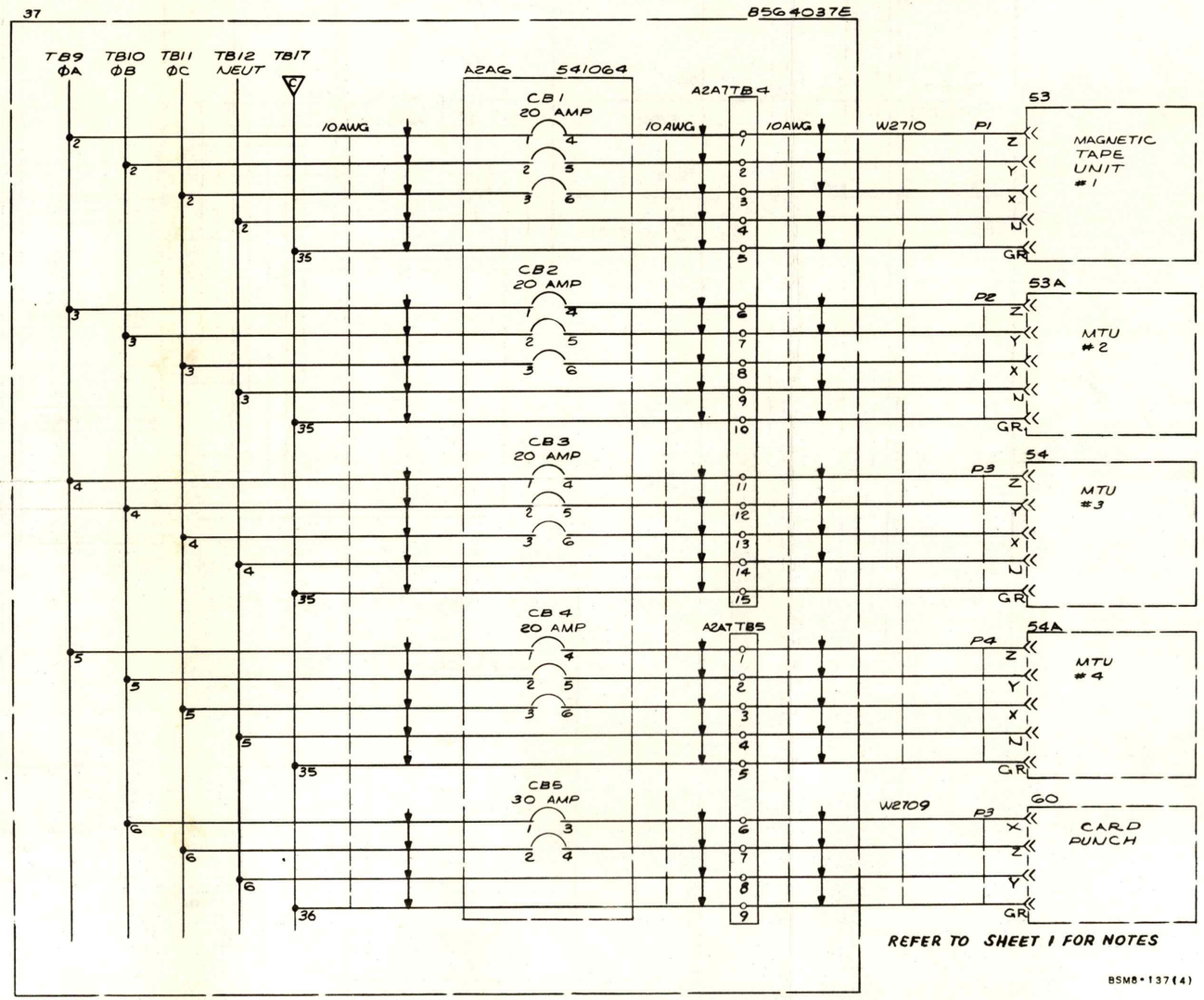
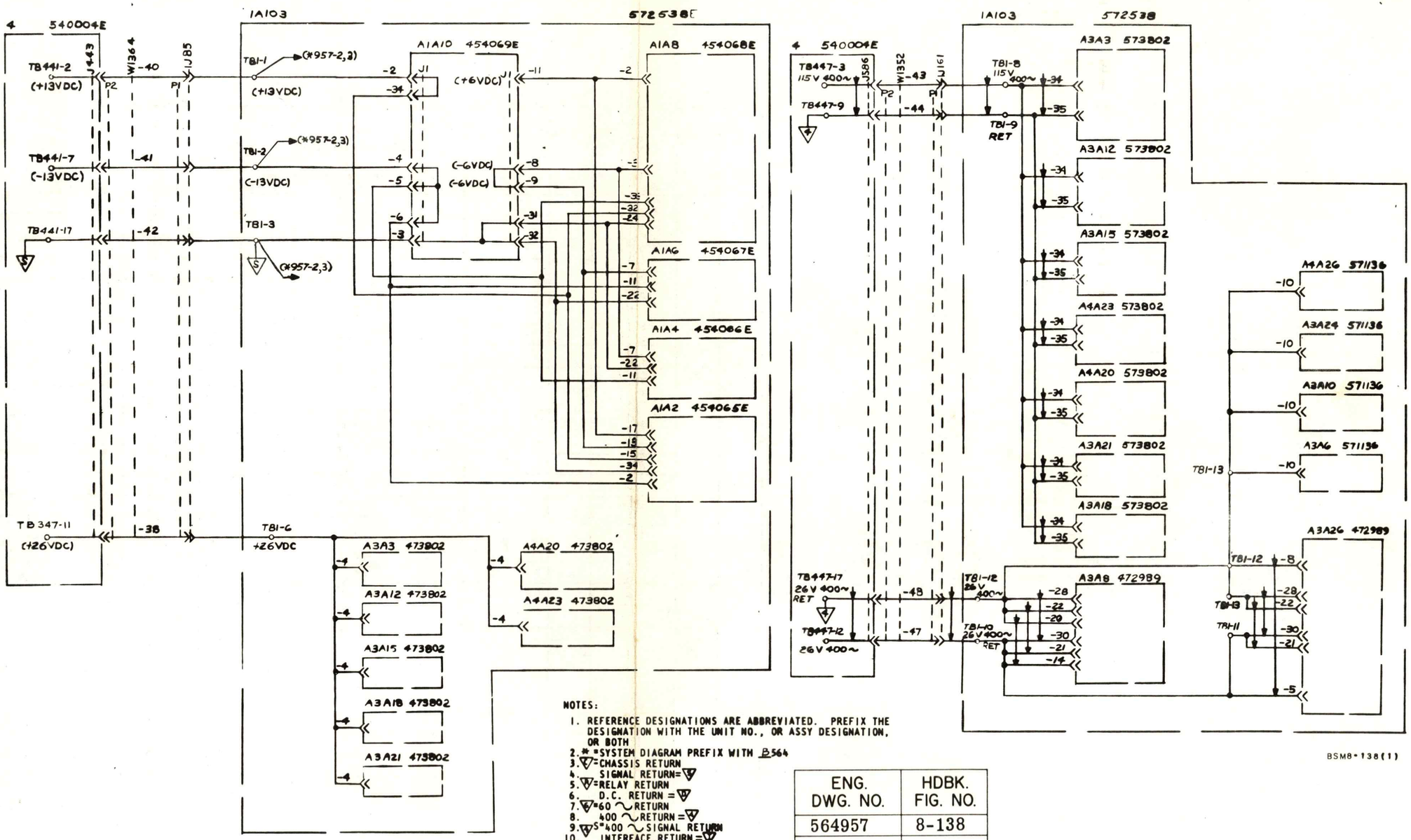


Figure 8-137. Power Comp. Distribution (Sheet 4 of 4)



NOTES:

1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. * =SYSTEM DIAGRAM PREFIX WITH B564
3. ▽=CHASSIS RETURN
4. SIGNAL RETURN=▽
5. ▽=RELAY RETURN
6. D.C. RETURN =▽
7. ▽=60 ~ RETURN
8. 400 ~ RETURN =▽
9. ▽=400 ~ SIGNAL RETURN
10. INTERFACE RETURN =▽
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS ½ W, ±1 %
    ALL RESISTORS Ω
    ALL LAMP LENS WHT

ENG. DWG. NO.	HDBK. FIG. NO.
564957	8-138

BSM8-138(1)

Figure 8-138. Power 1A103 Power Distribution (Sheet 1 of 3)

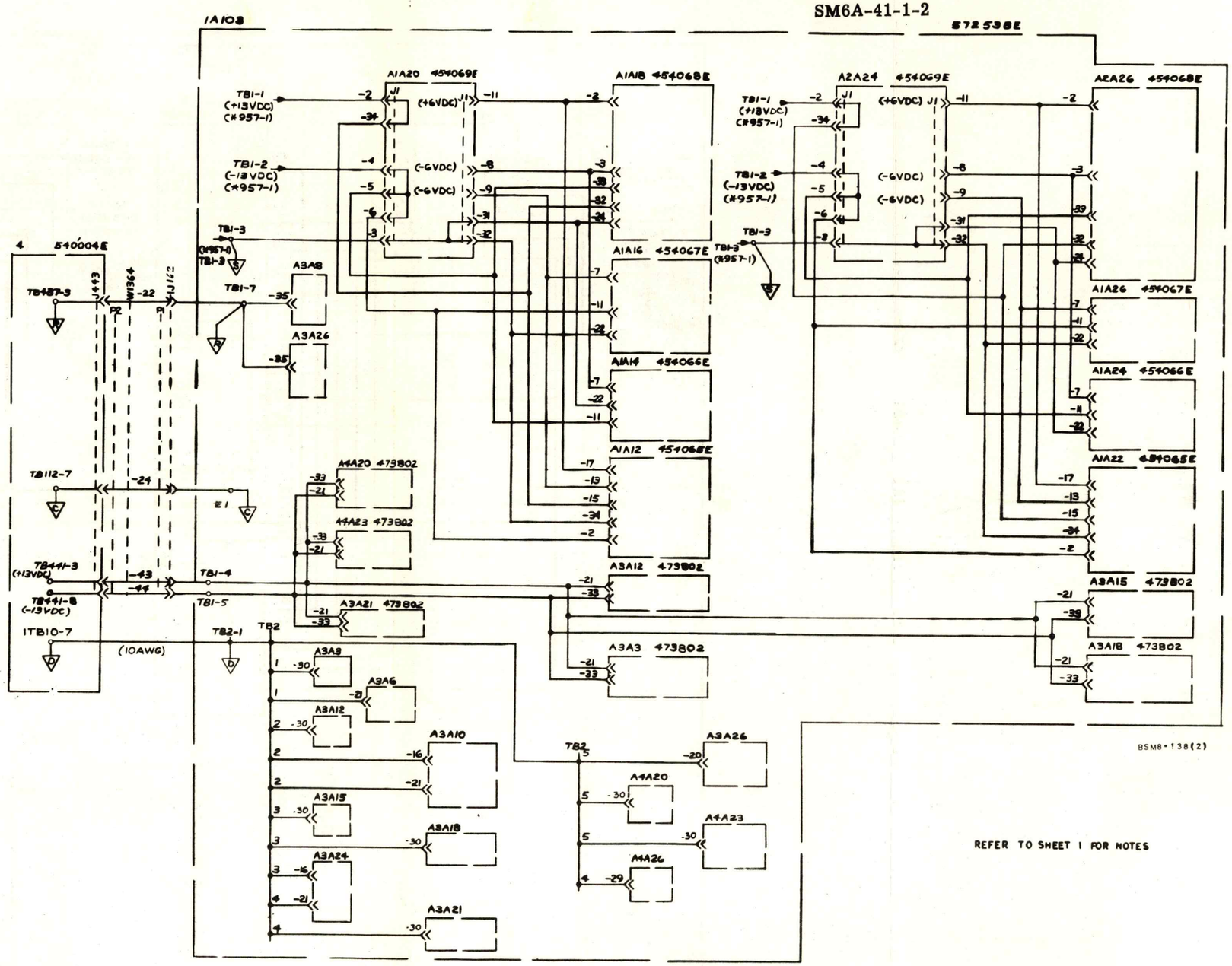


Figure 8-138. Power 1A103 Power Distribution (Sheet 2 of 3)

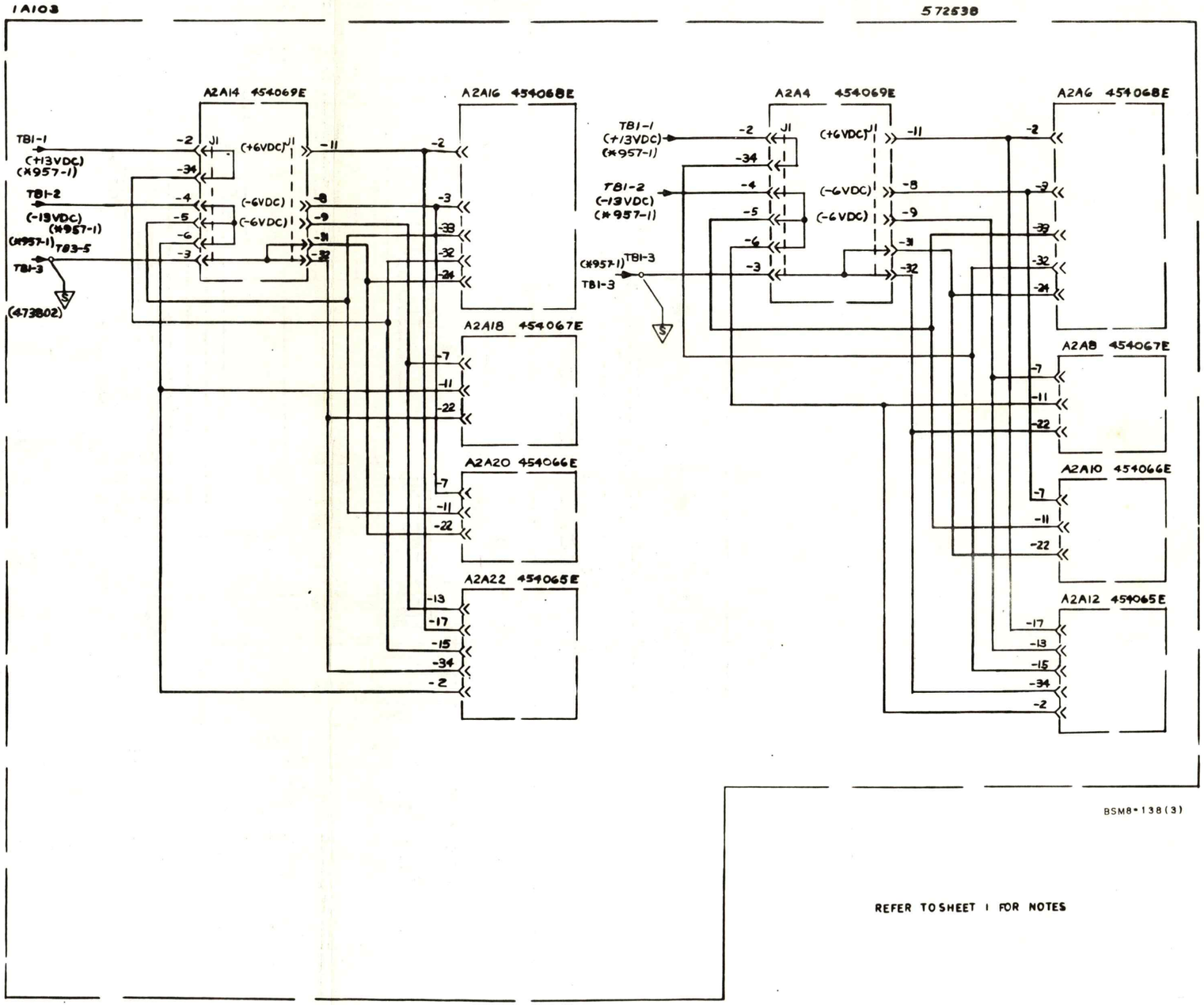
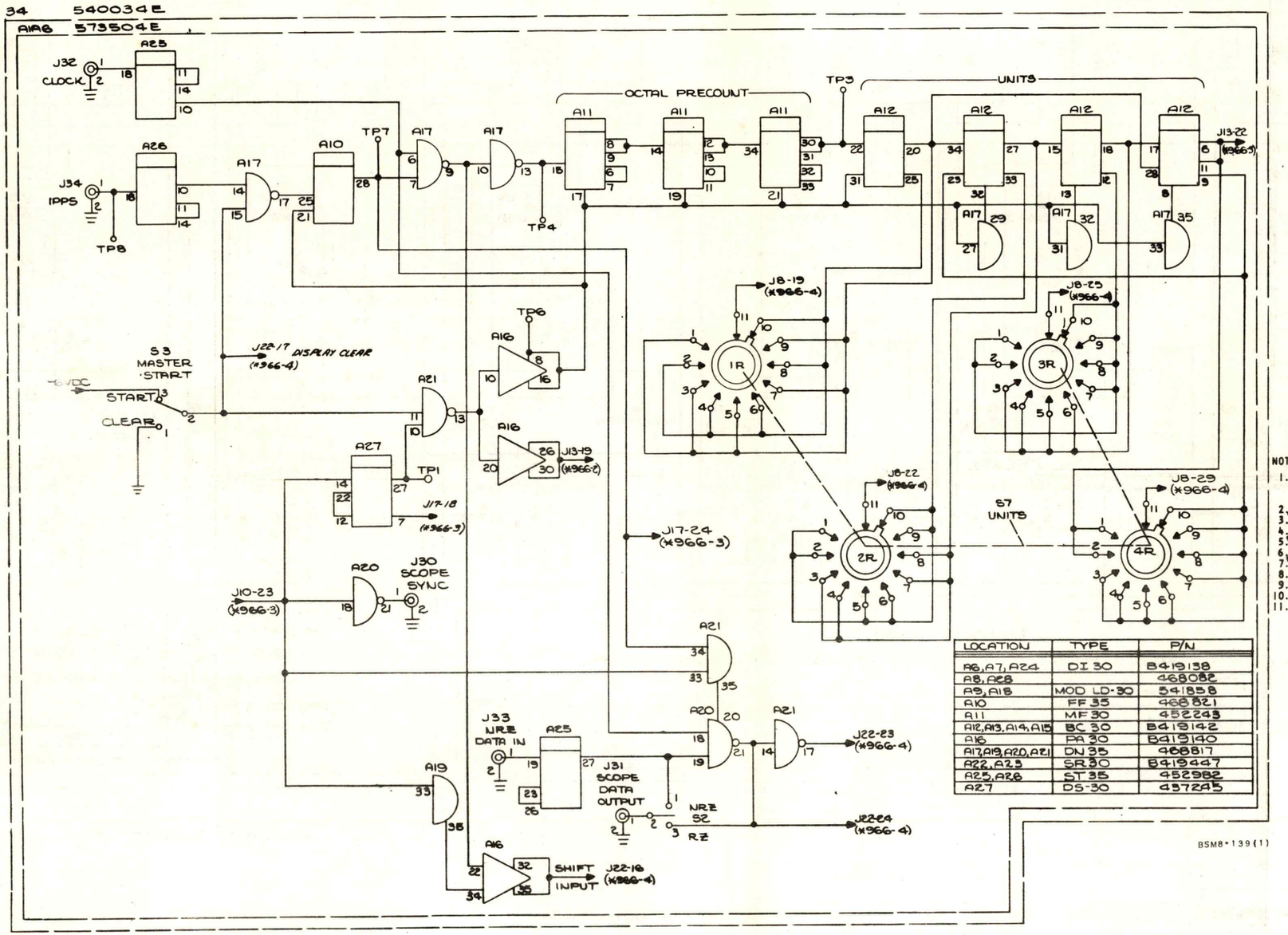


Figure 8-138. Power 1A103 Power Distribution (Sheet 3 of 3)

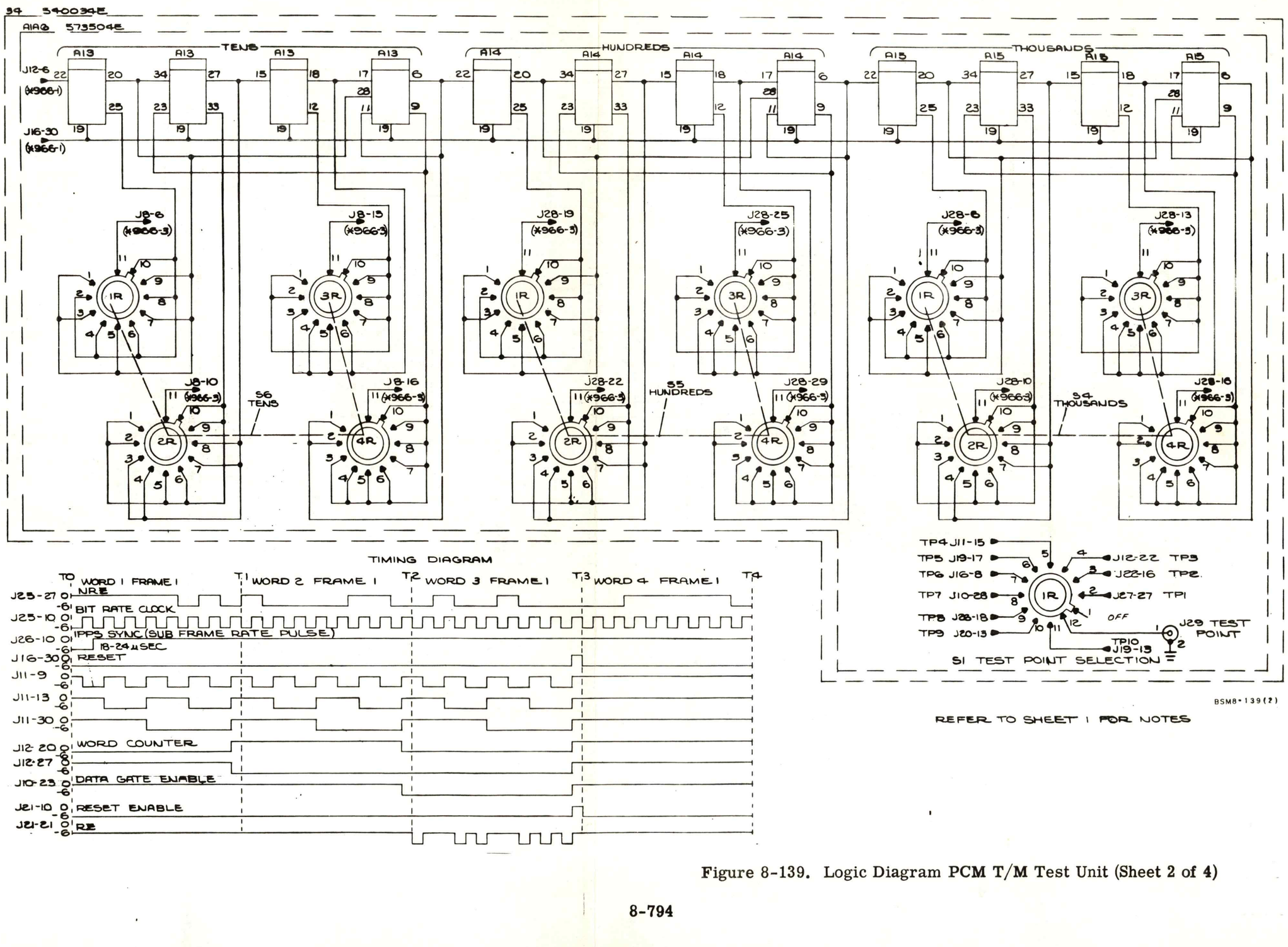


LOCATION	TYPE	P/N
A6,A7,A24	DI 30	B419138
A8,A28		468082
A9,A18	MOD LD-30	541858
A10	FF 35	468821
A11	MF 30	452243
A12,A13,A14,A15	BC 30	B419142
A16	PA 30	B419140
A17,A19,A20,A21	DN 35	468817
A22,A23	SR 30	B419447
A25,A28	ST 35	452982
A27	DS-30	457245

ENG. DWG. NO.	HDBK. FIG. NO.
564966	8-139

NOTES:
1. REFERENCE DESIGNATIONS ARE ABBREVIATED. PREFIX THE DESIGNATION WITH THE UNIT NO., OR ASSY DESIGNATION, OR BOTH
2. **=SYSTEM DIAGRAM PREFIX WITH B564
3. =CHASSIS RETURN
4. =SIGNAL RETURN
5. =RELAY RETURN
6. =D.C. RETURN
7. =60 RETURN
8. =400 RETURN
9. =400 SIGNAL RETURN
10. INTERFACE RETURN
11. UNLESS OTHERWISE NOTED:
    ALL RESISTANCE IN OHMS
    ALL RESISTORS — W, ±— %
    ALL RESISTORS — Ω
    ALL LAMP LENS WHT

Figure 8-139. Logic Diagram PCM T/M Test Unit (Sheet 1 of 4)



REFER TO SHEET 1 FOR NOTES

Figure 8-139. Logic Diagram PCM T/M Test Unit (Sheet 2 of 4)

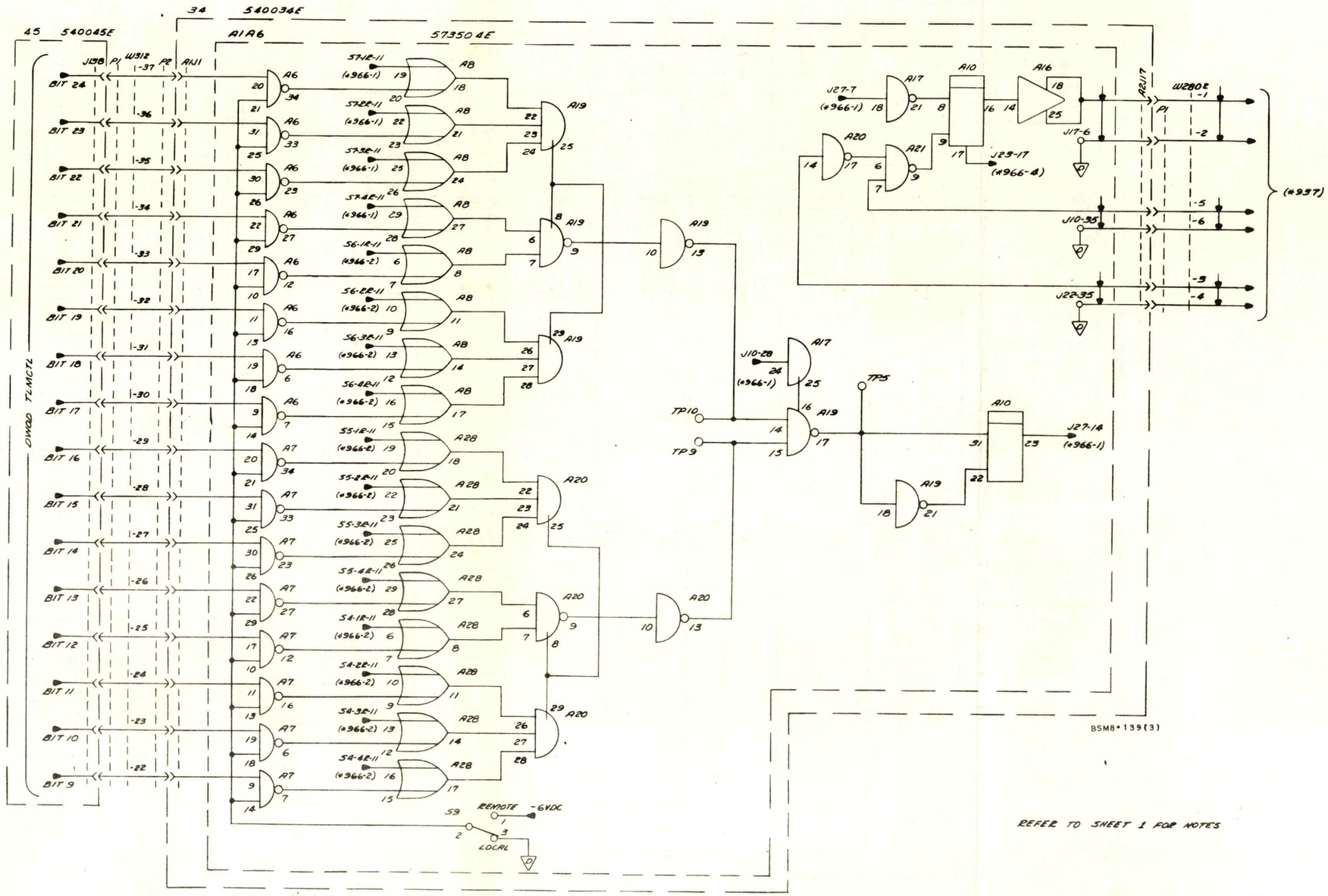


Figure 8-139. Logic Diagram PCM T/M Test Unit (Sheet 3 of 4)

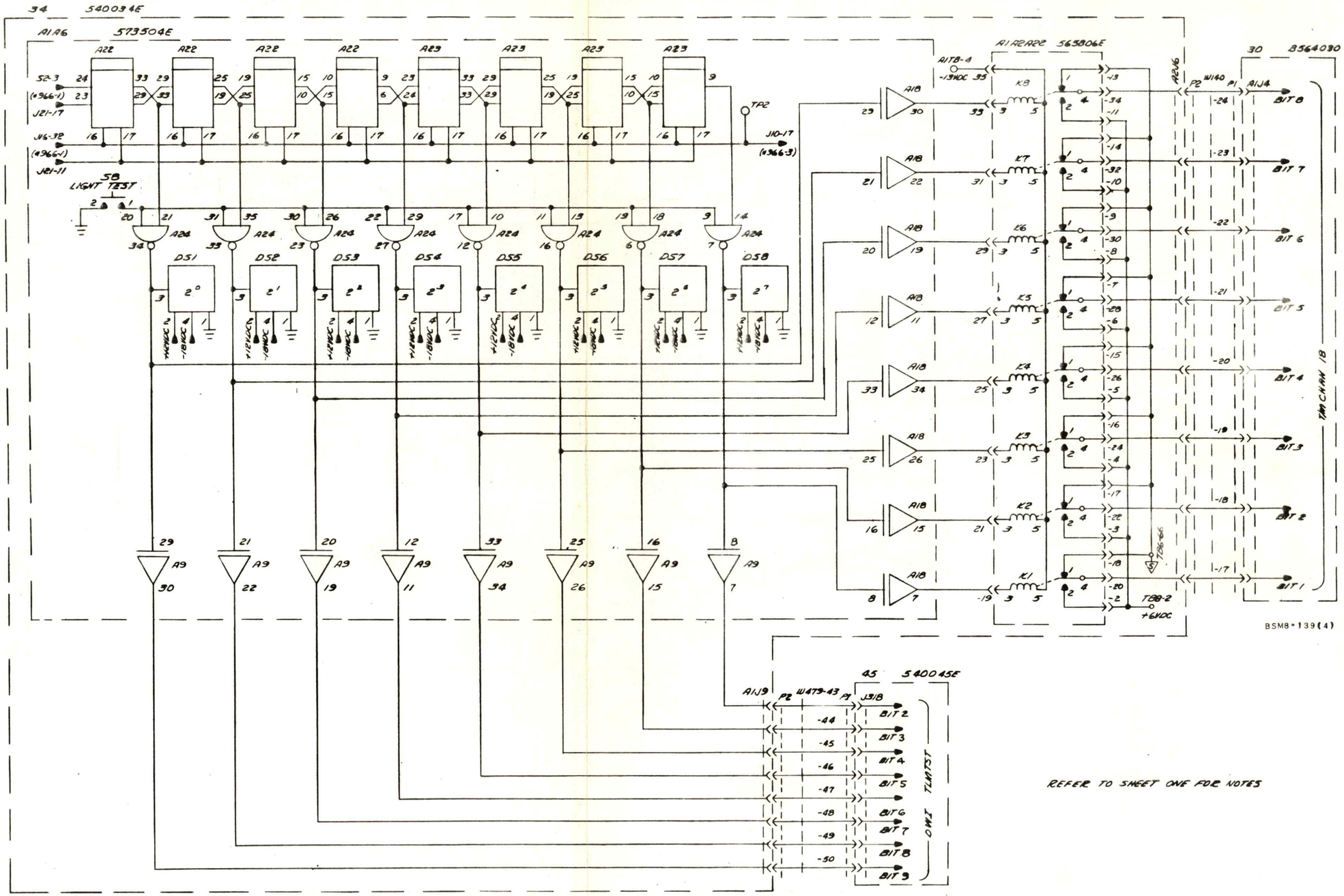
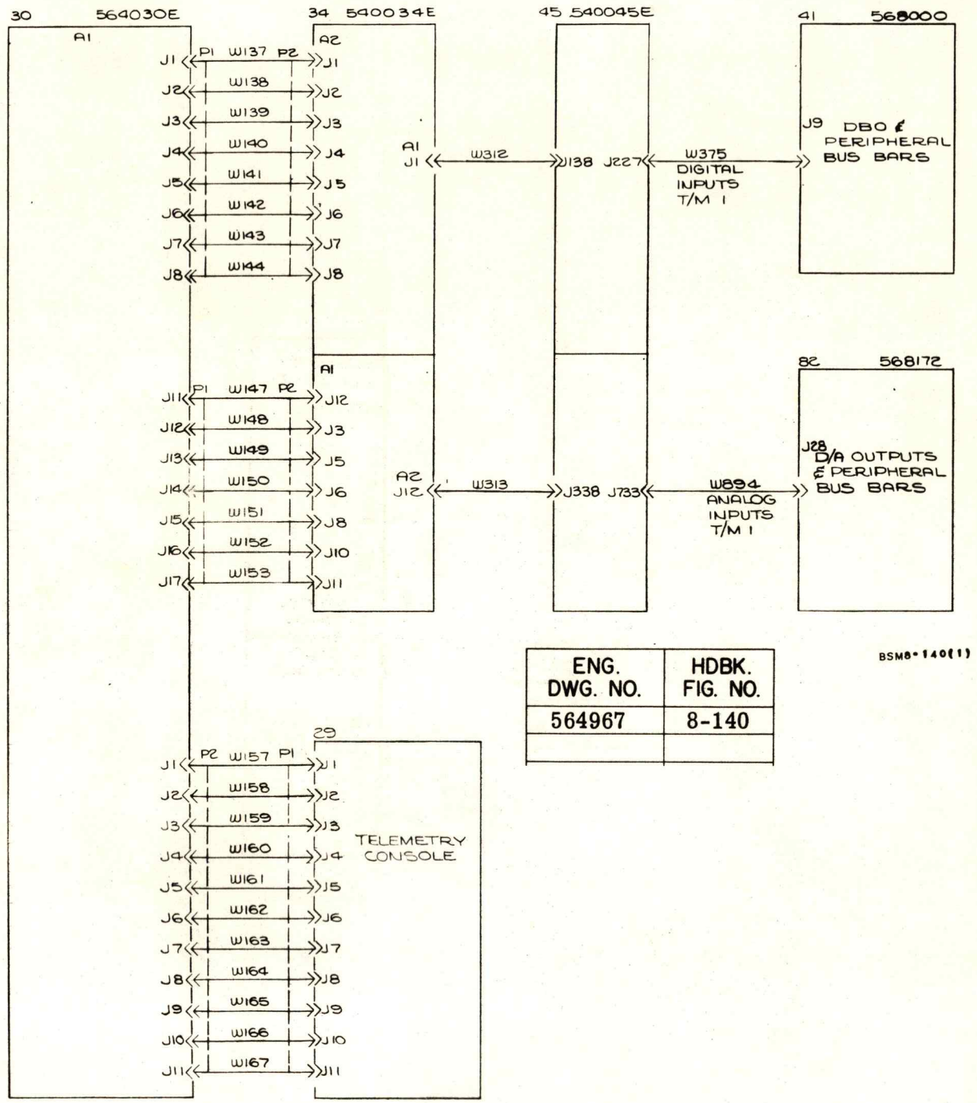


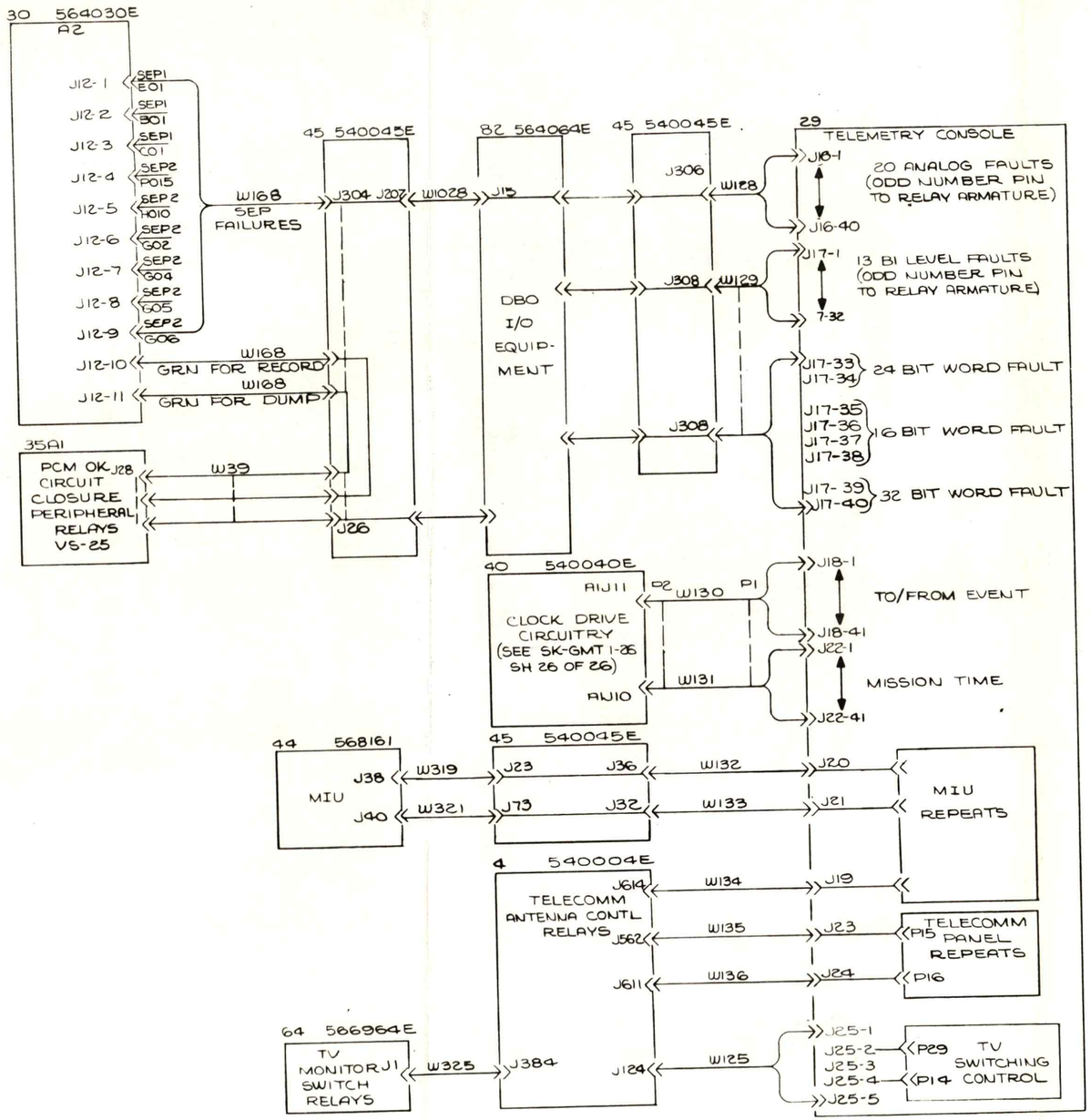
Figure 8-139. Logic Diagram PCM T/M Test Unit (Sheet 4 of 4)



ENG. DWG. NO.	HDBK. FIG. NO.
564967	8-140

BSM8-140(1)

Figure 8-140. Flow Diagram - Collins T/M Equipment (Sheet 1 of 3)



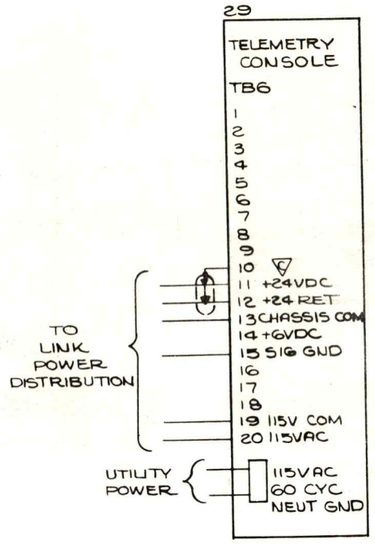


Figure 8-140. Flow Diagram - Collins T/M Equipment (Sheet 2 of 3)

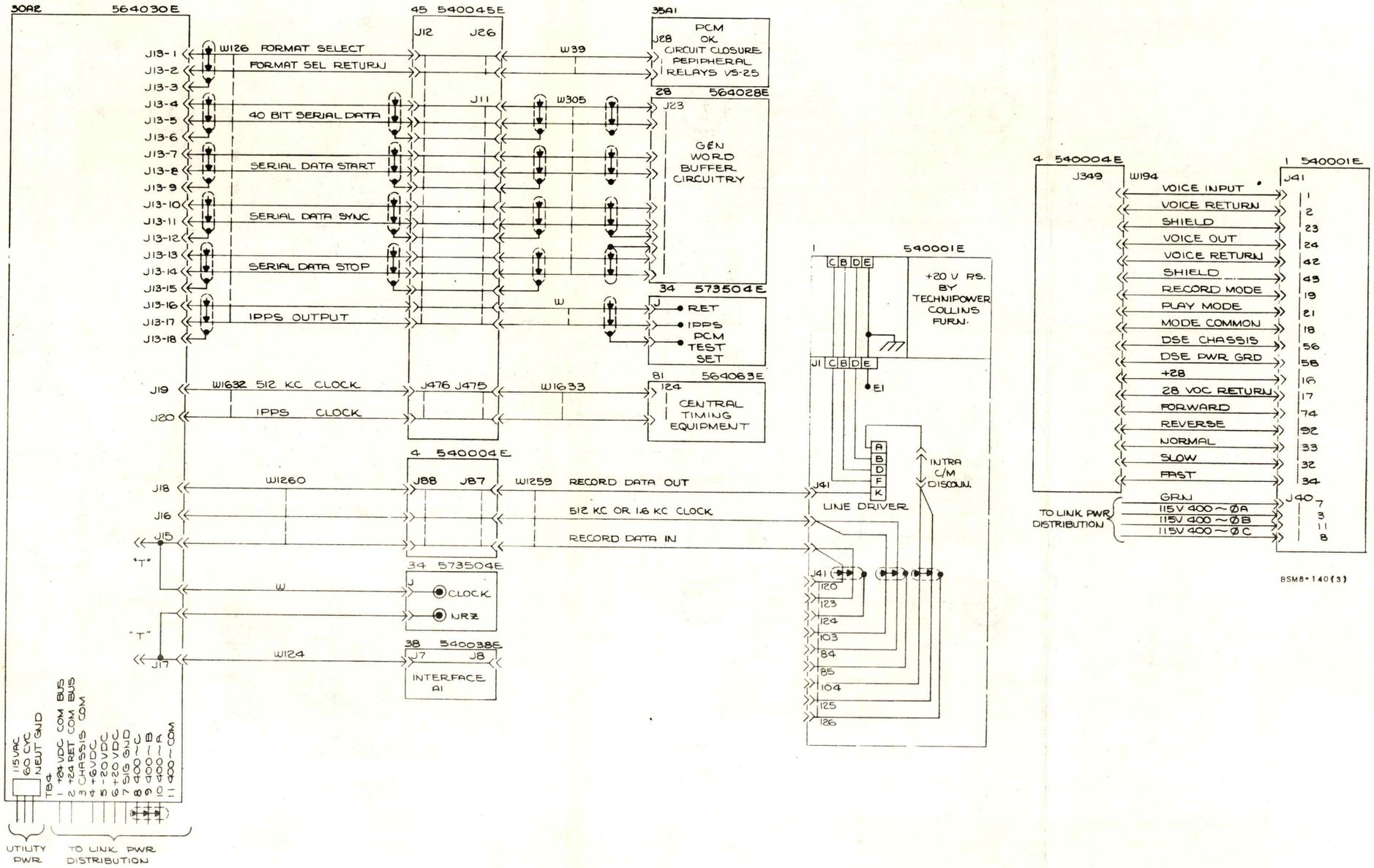
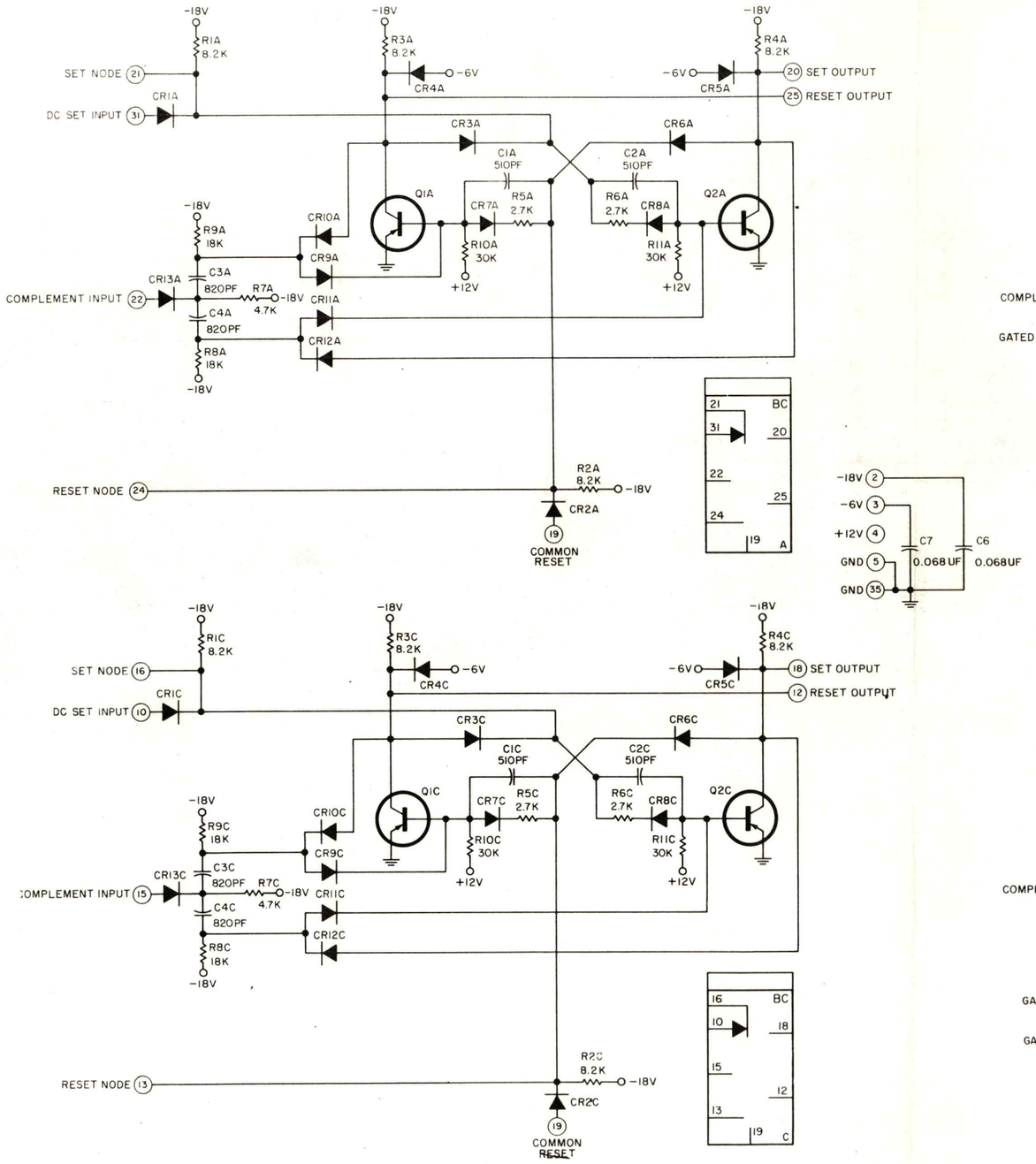
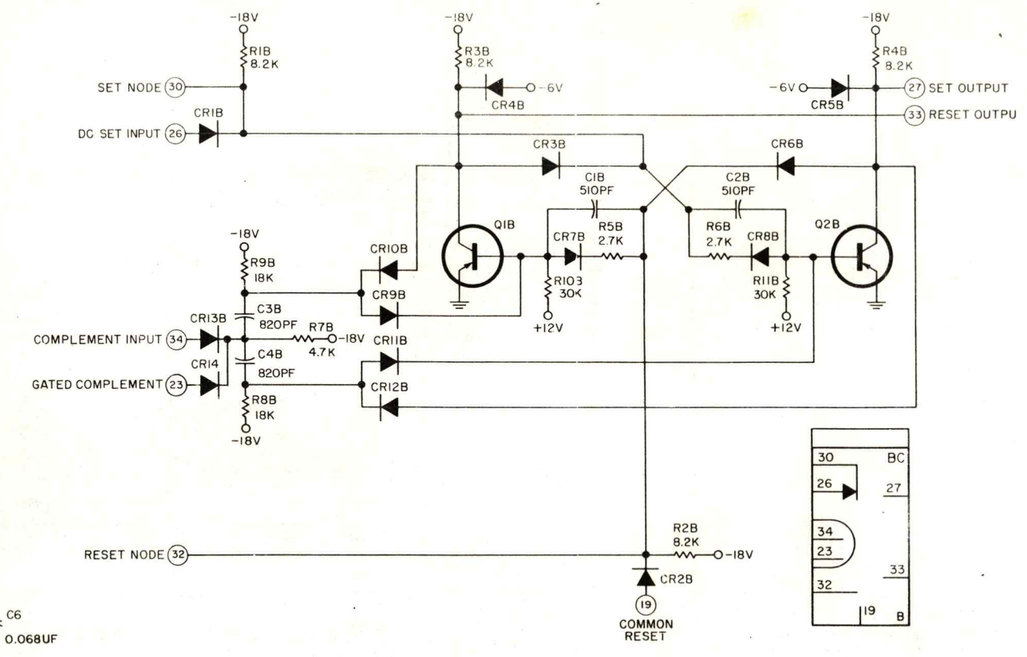


Figure 8-140. Flow Diagram - Collins T/M Equipment (Sheet 3 of 3)





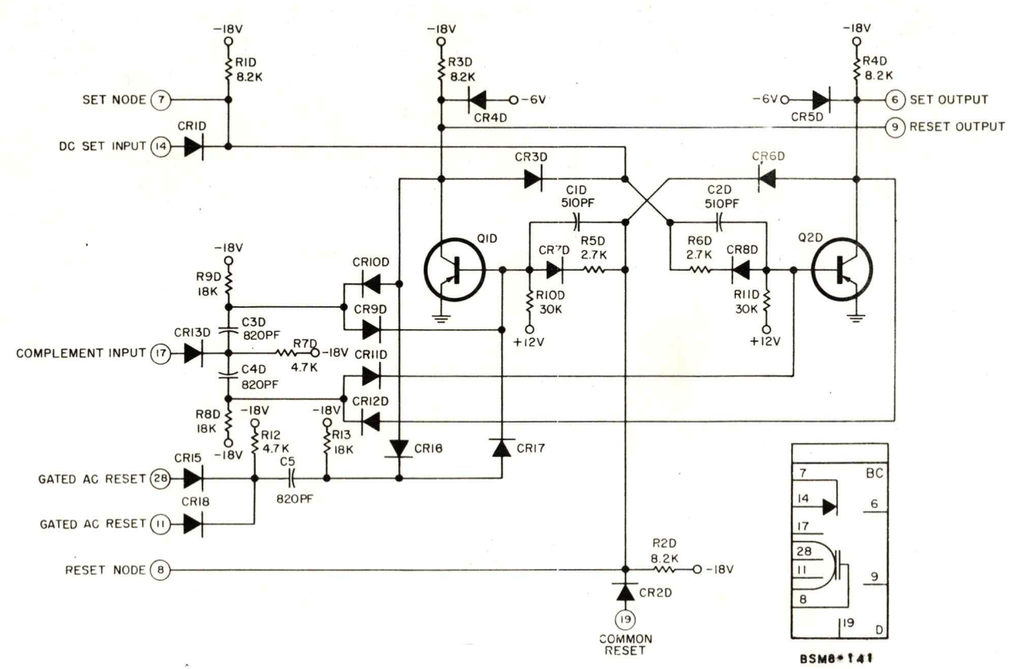
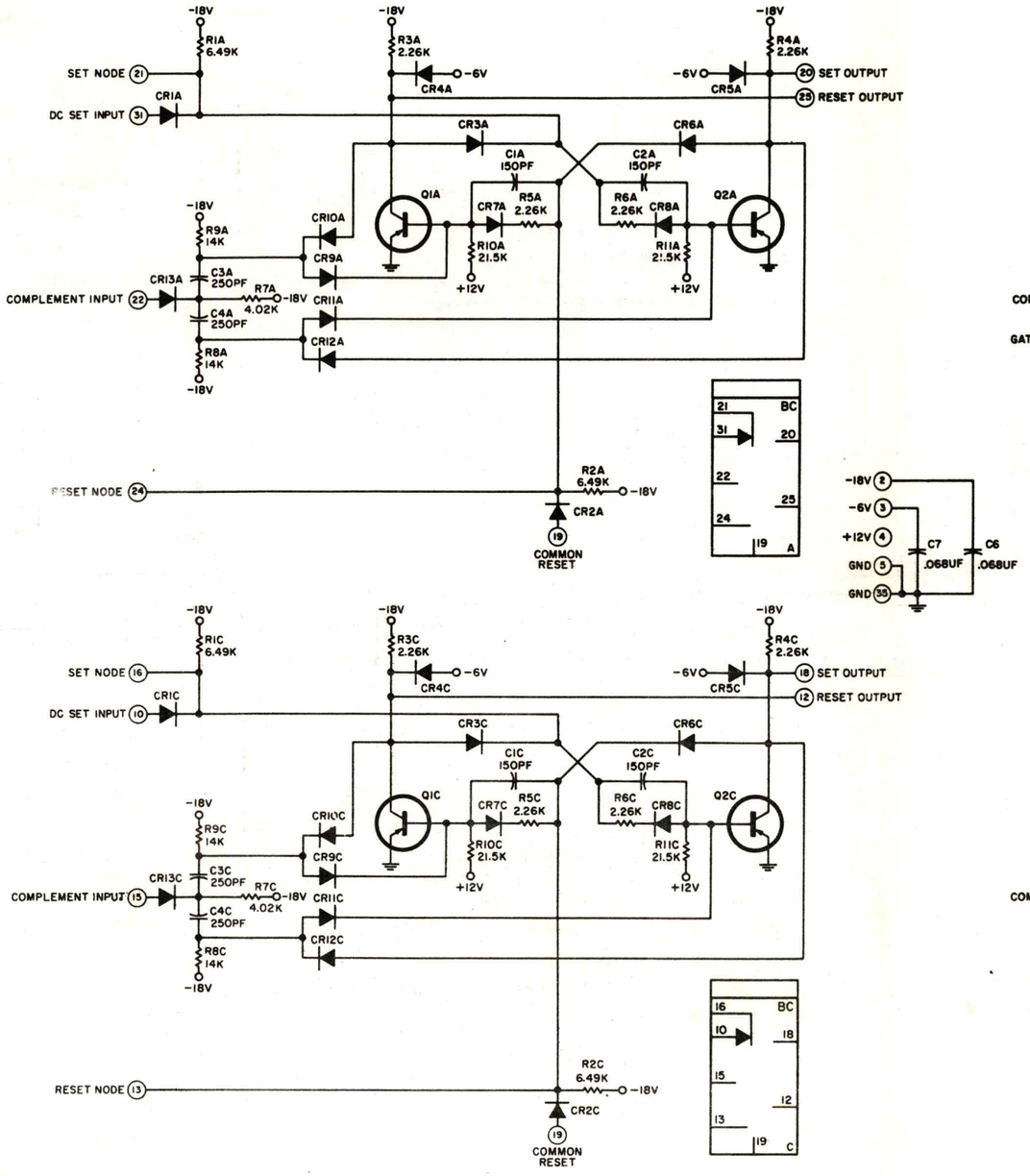
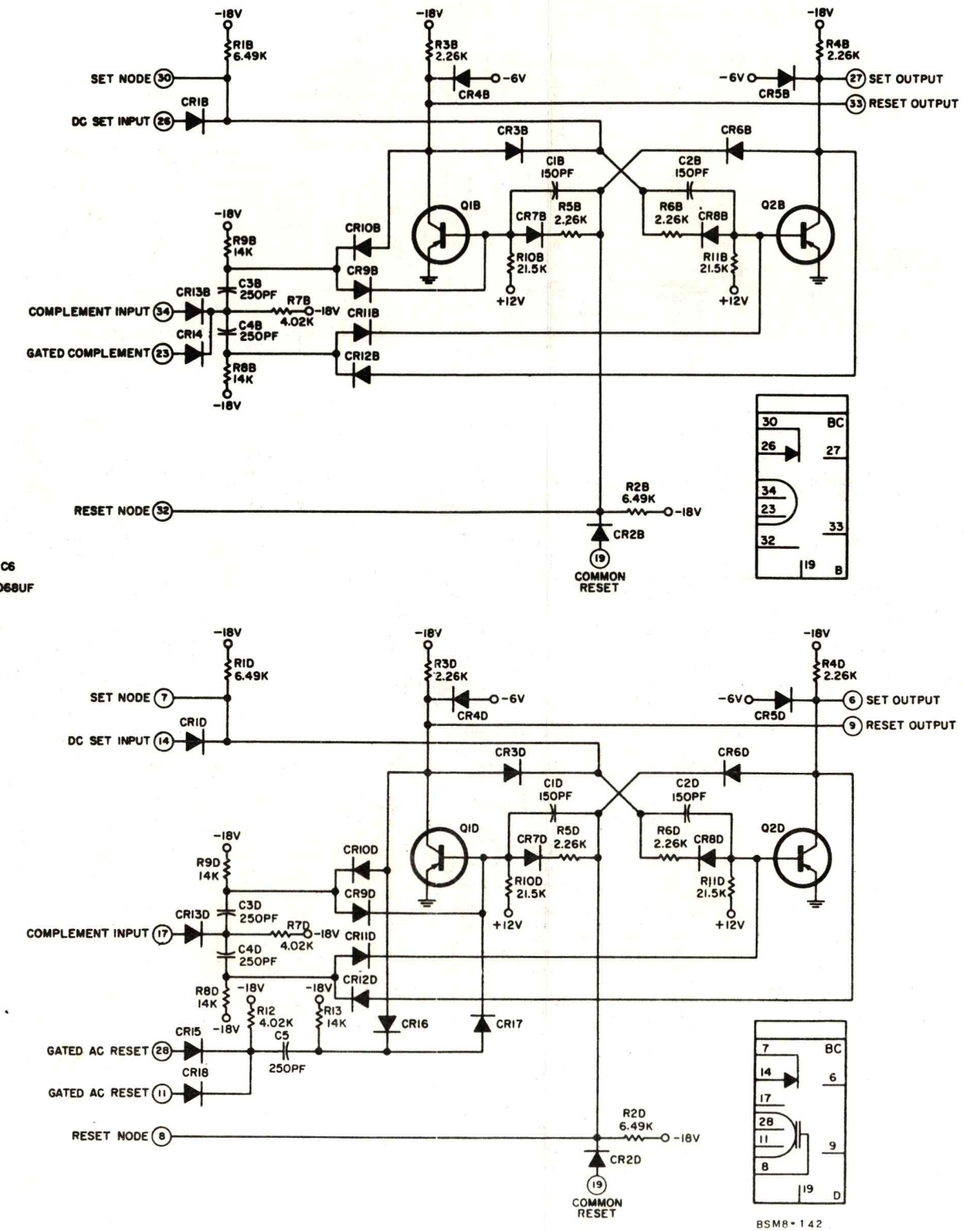


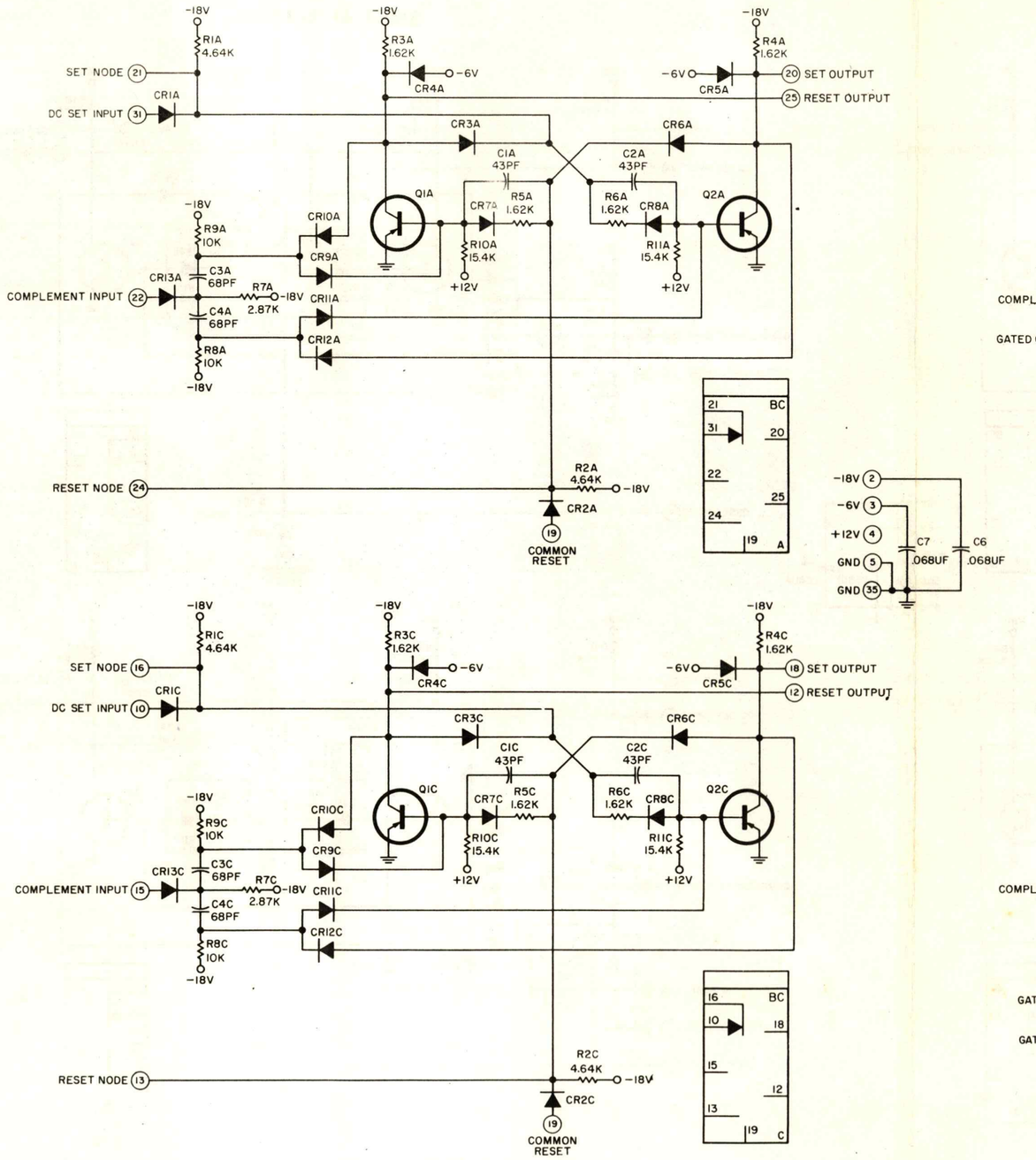
Figure 8-141. BC-0

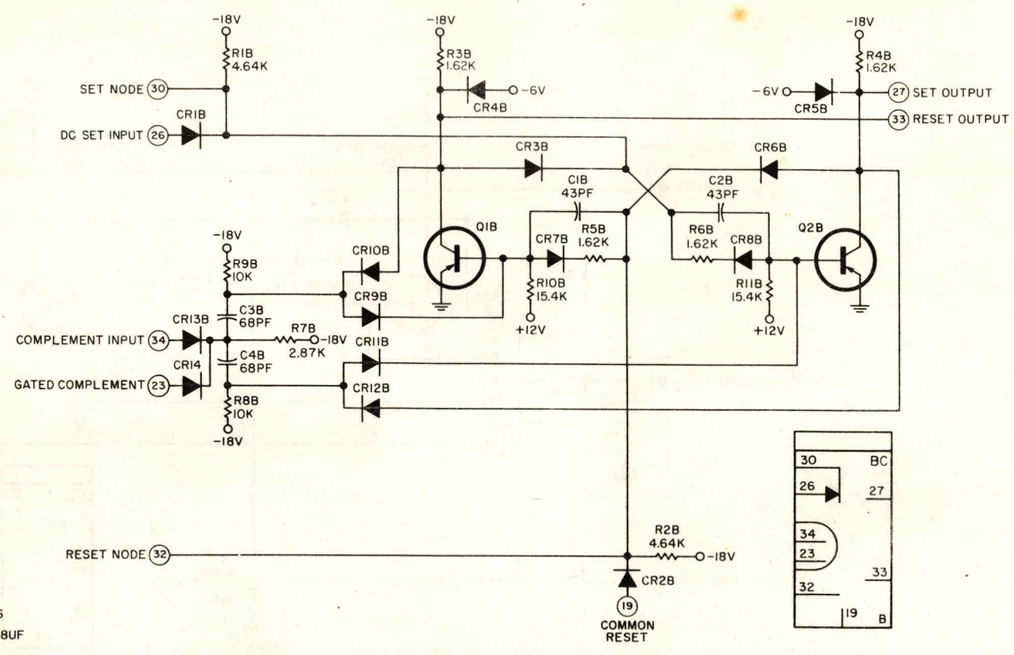


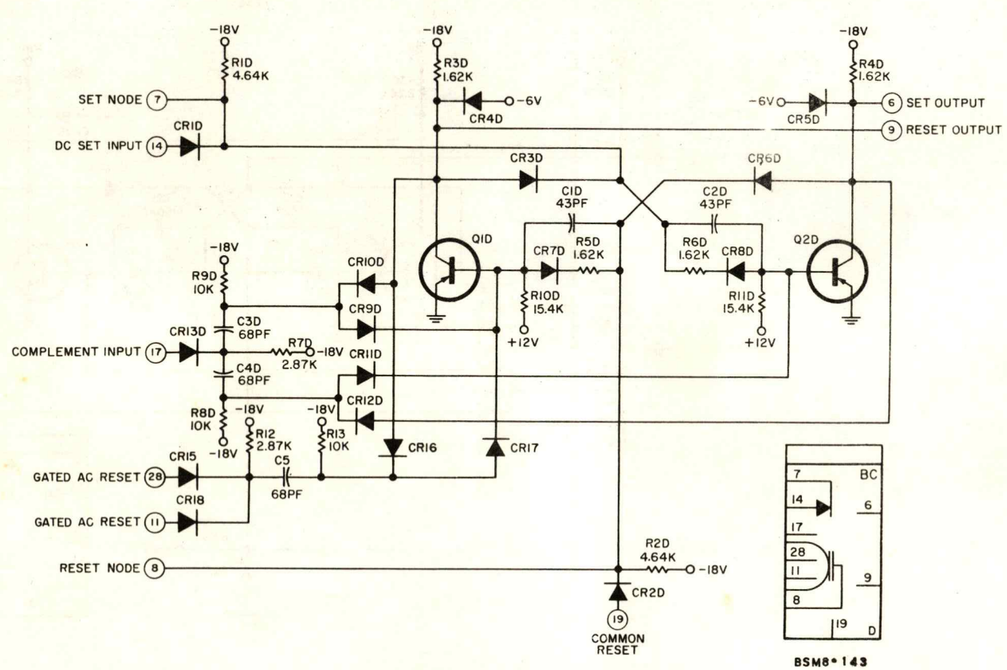


BSM8-142

Figure 8-142. BC-30







BSM8*143

Figure 8-143. BC-35

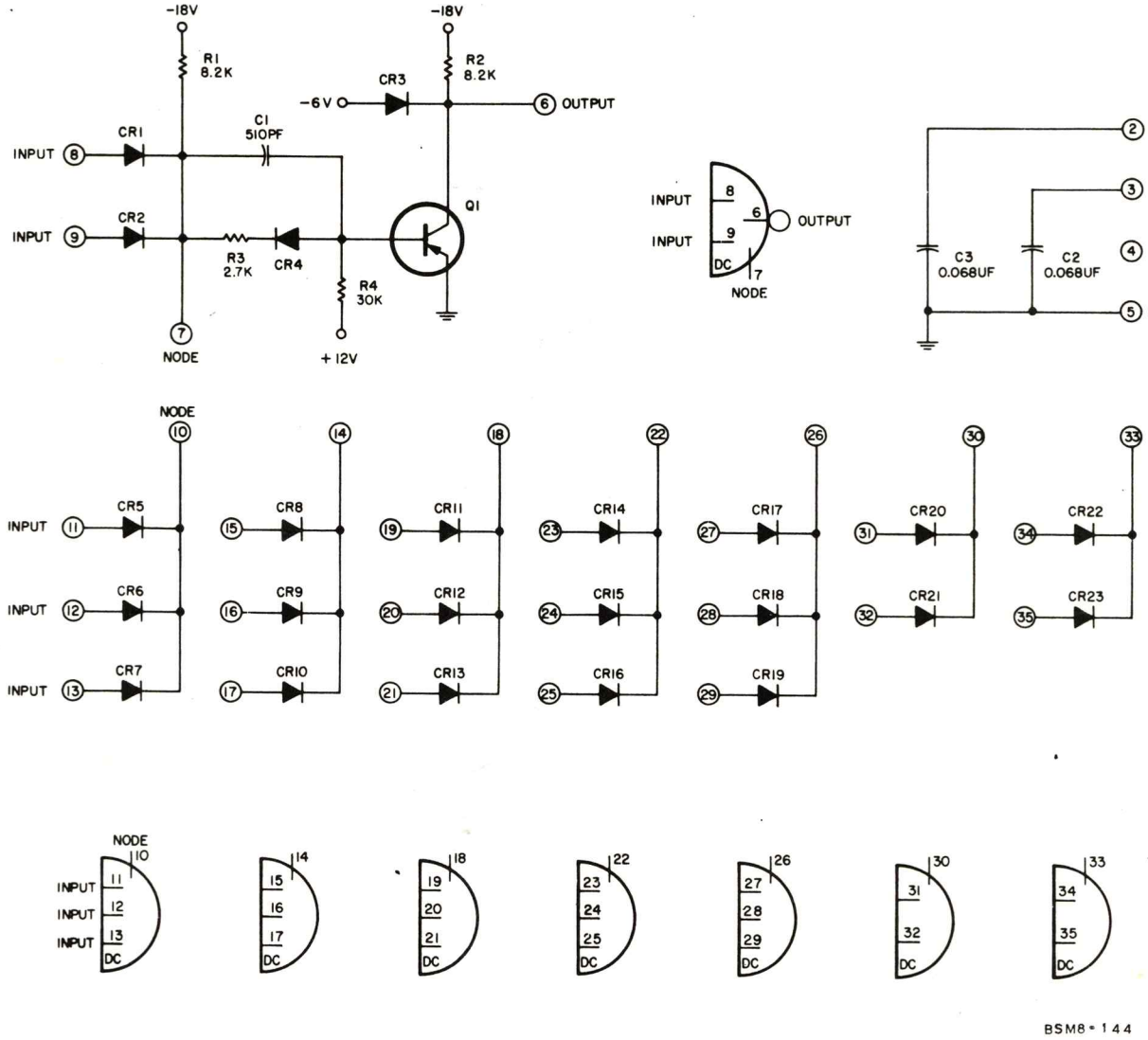


Figure 8-144. DC-20

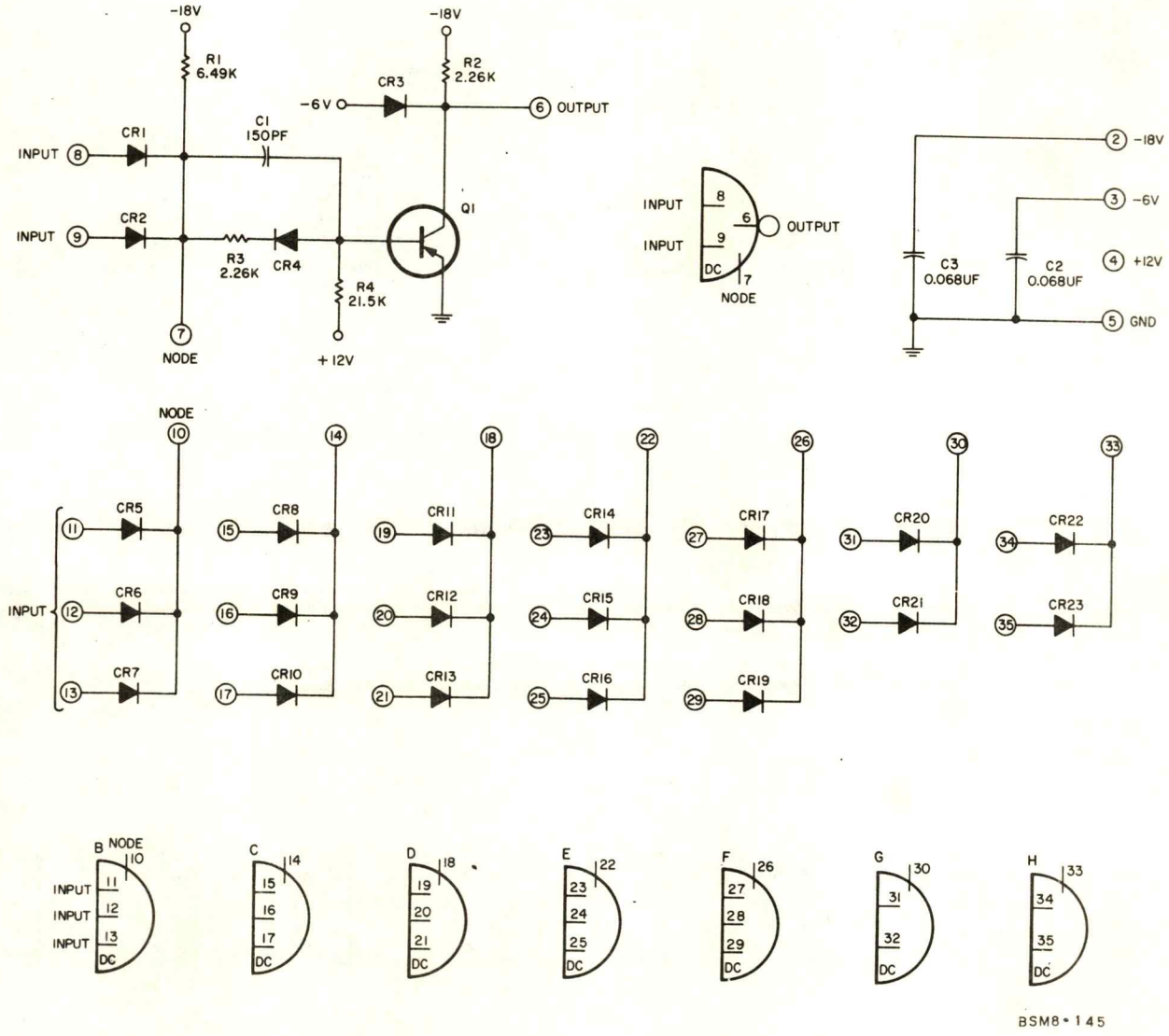


Figure 8-145. DC-30

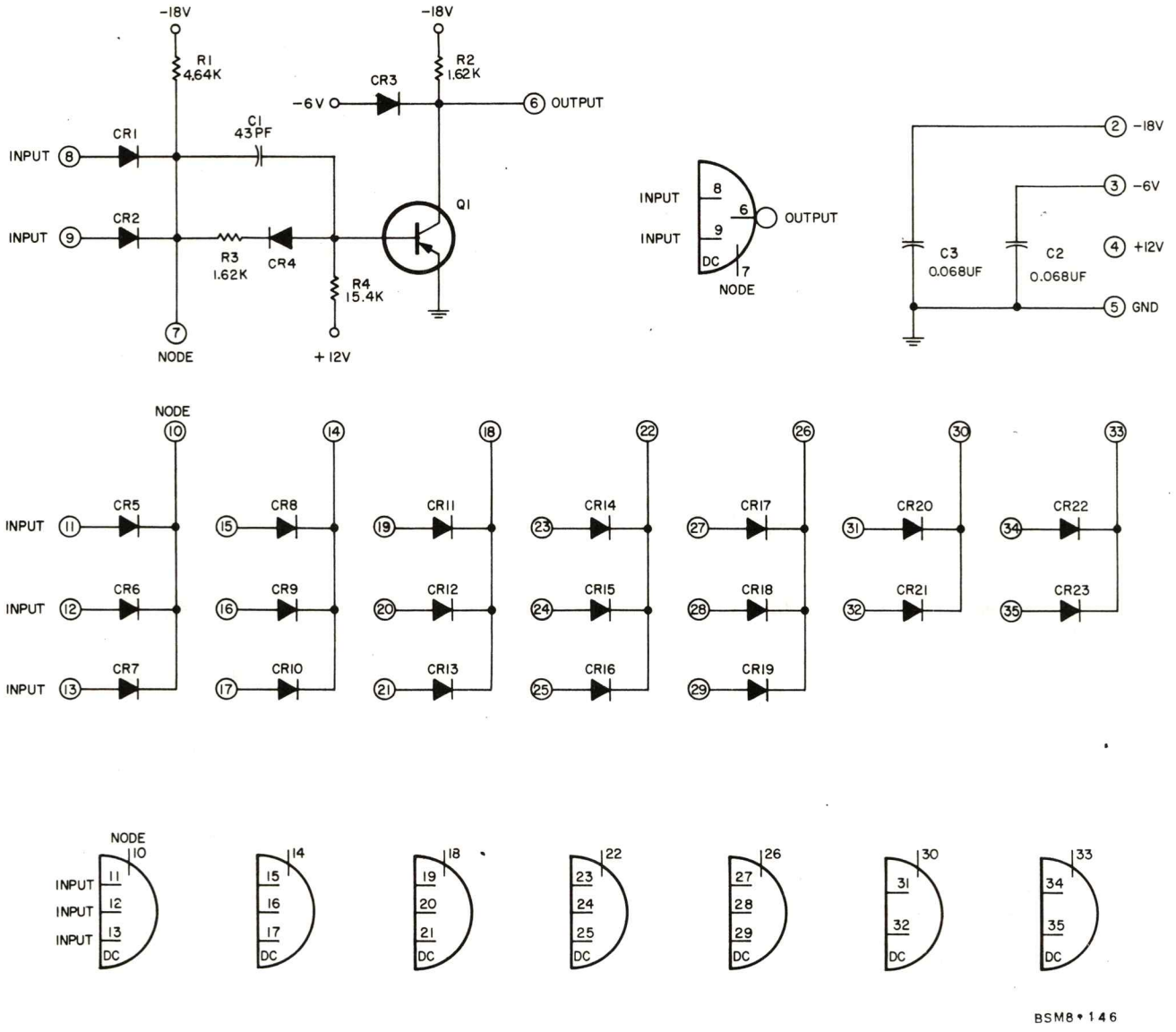


Figure 8-146. DC-35

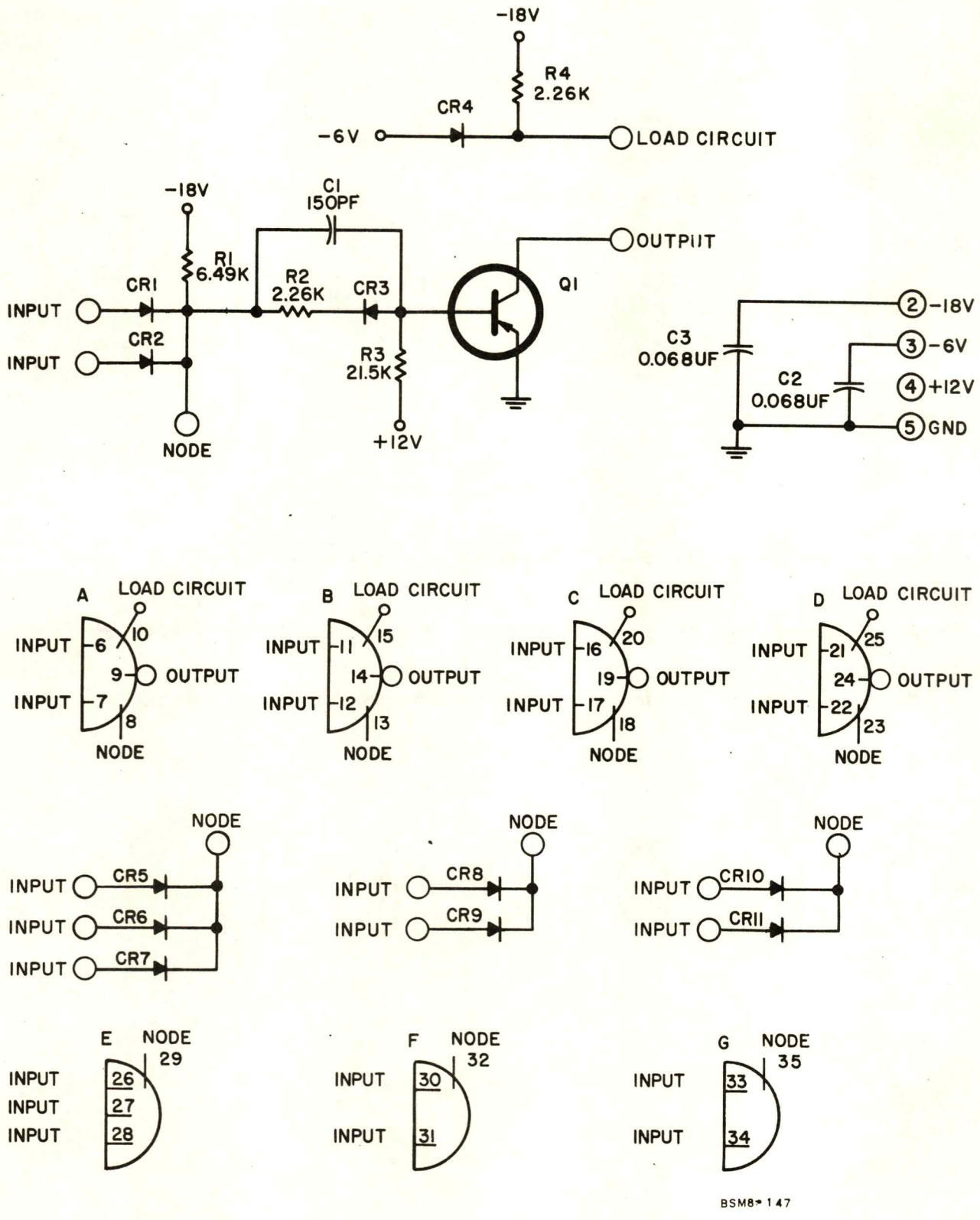


Figure 8-147. DF-30

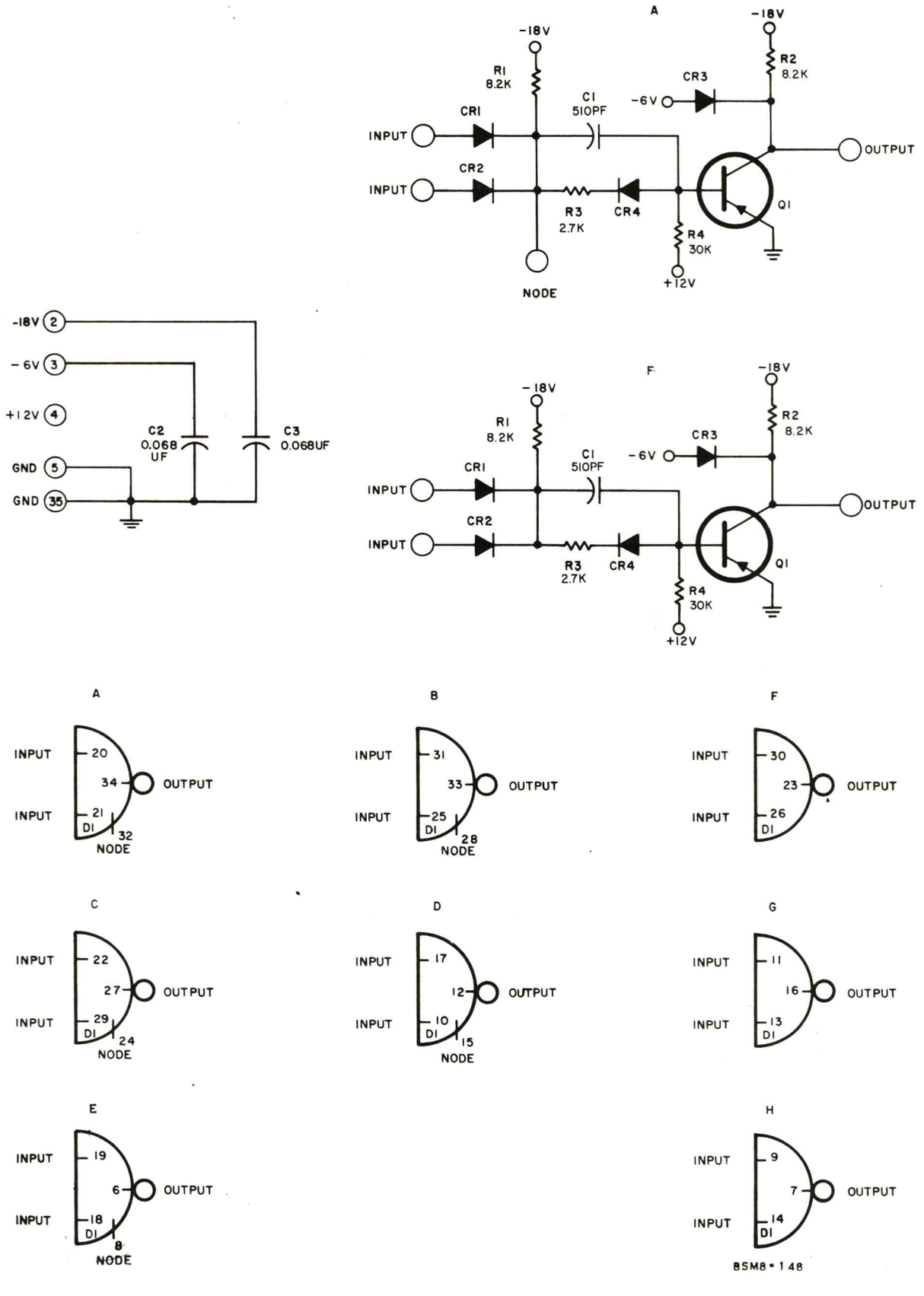


Figure 8-148. DI-20

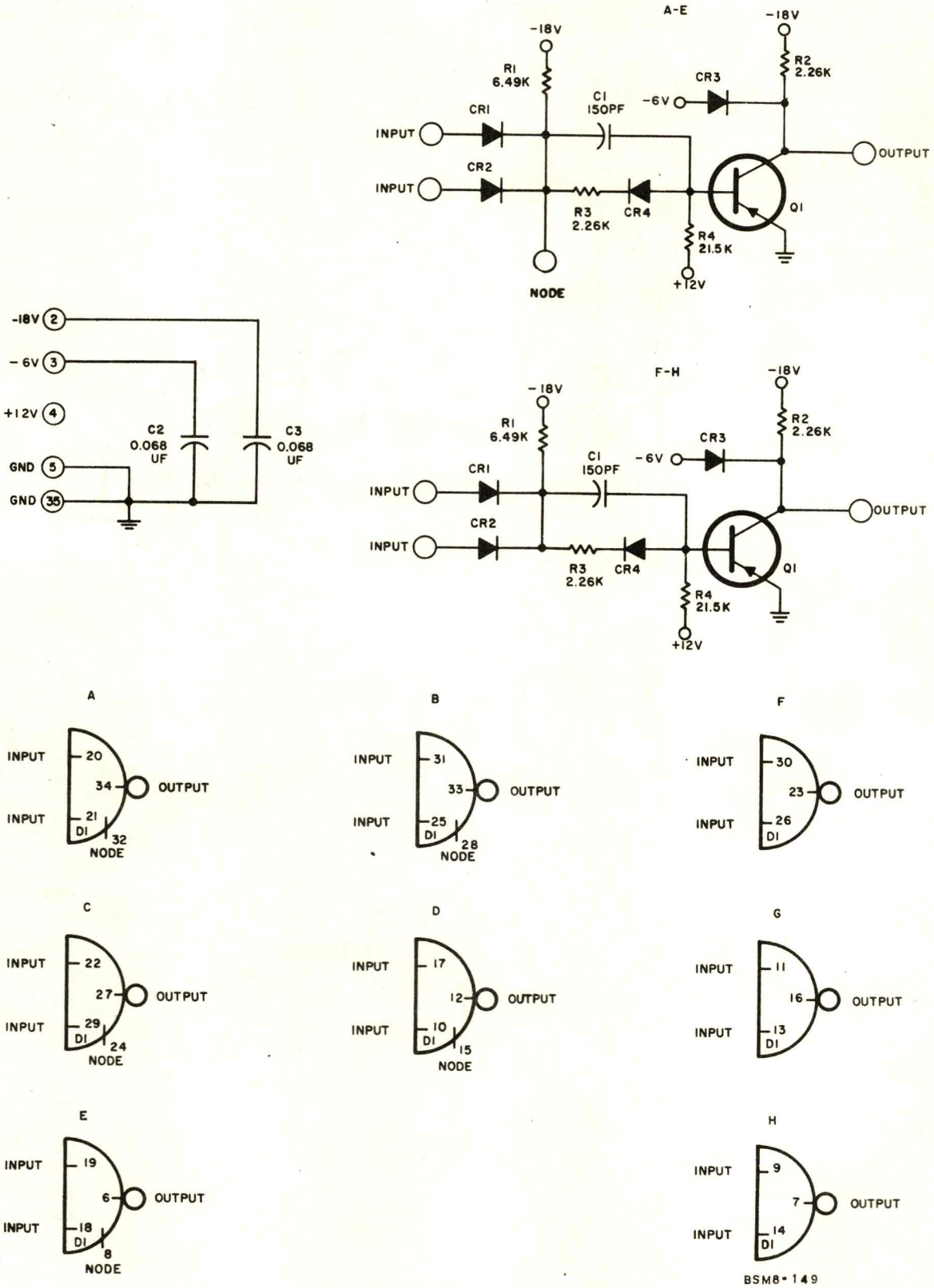
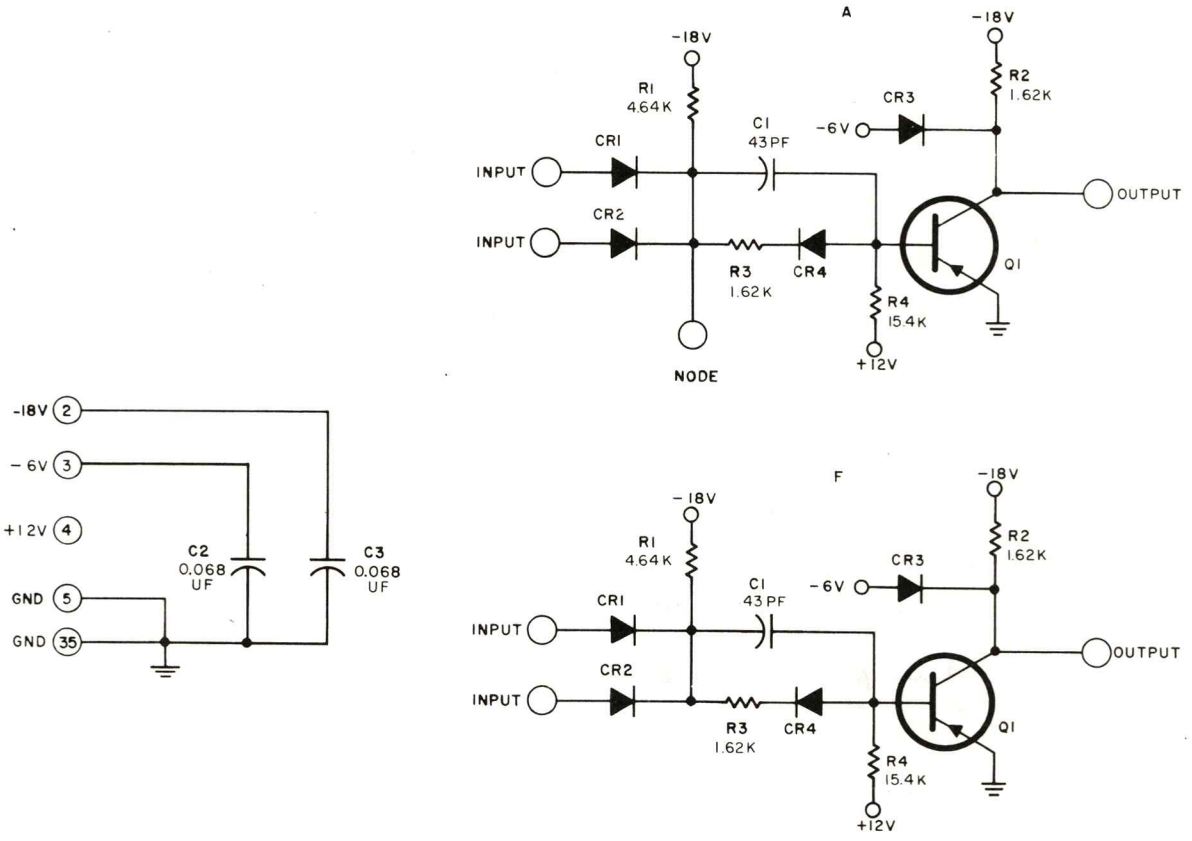


Figure 8-149. DI-30



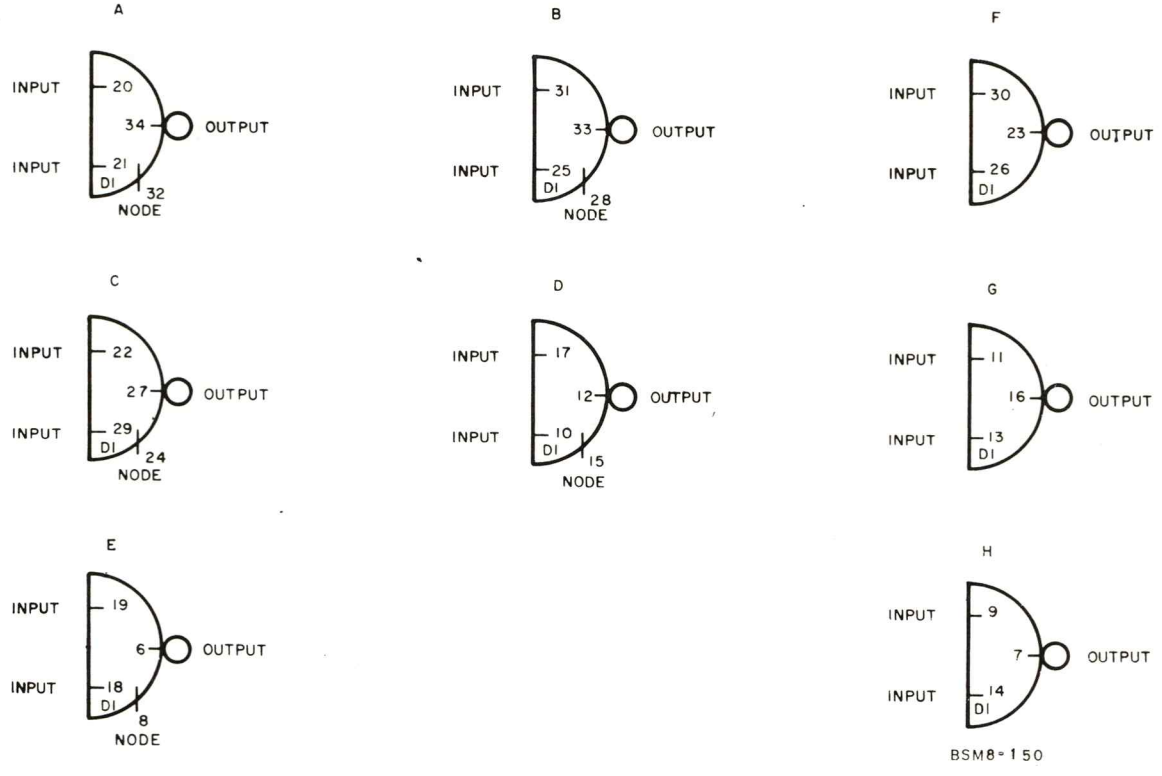


Figure 8-150. DI-35

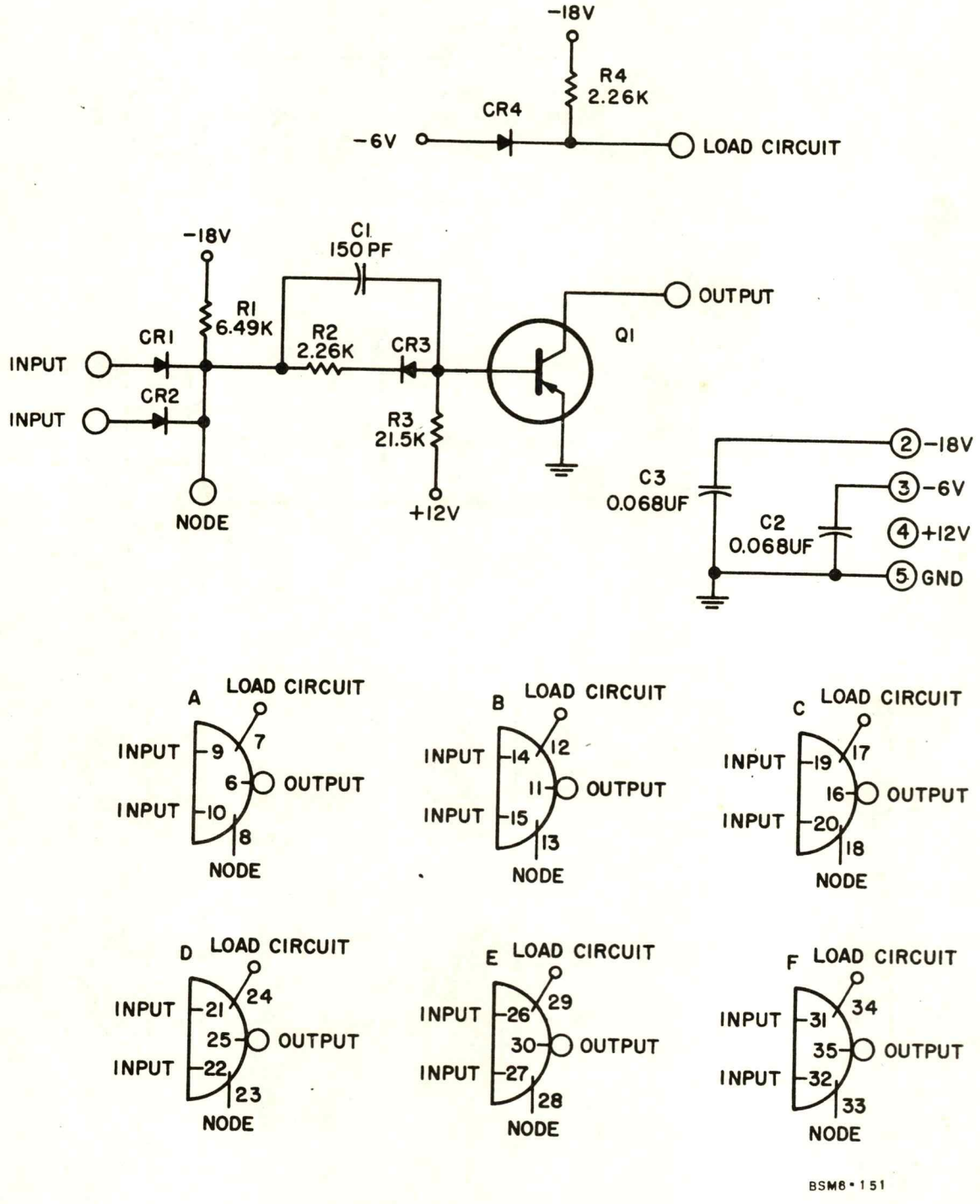


Figure 8-151. DJ-30

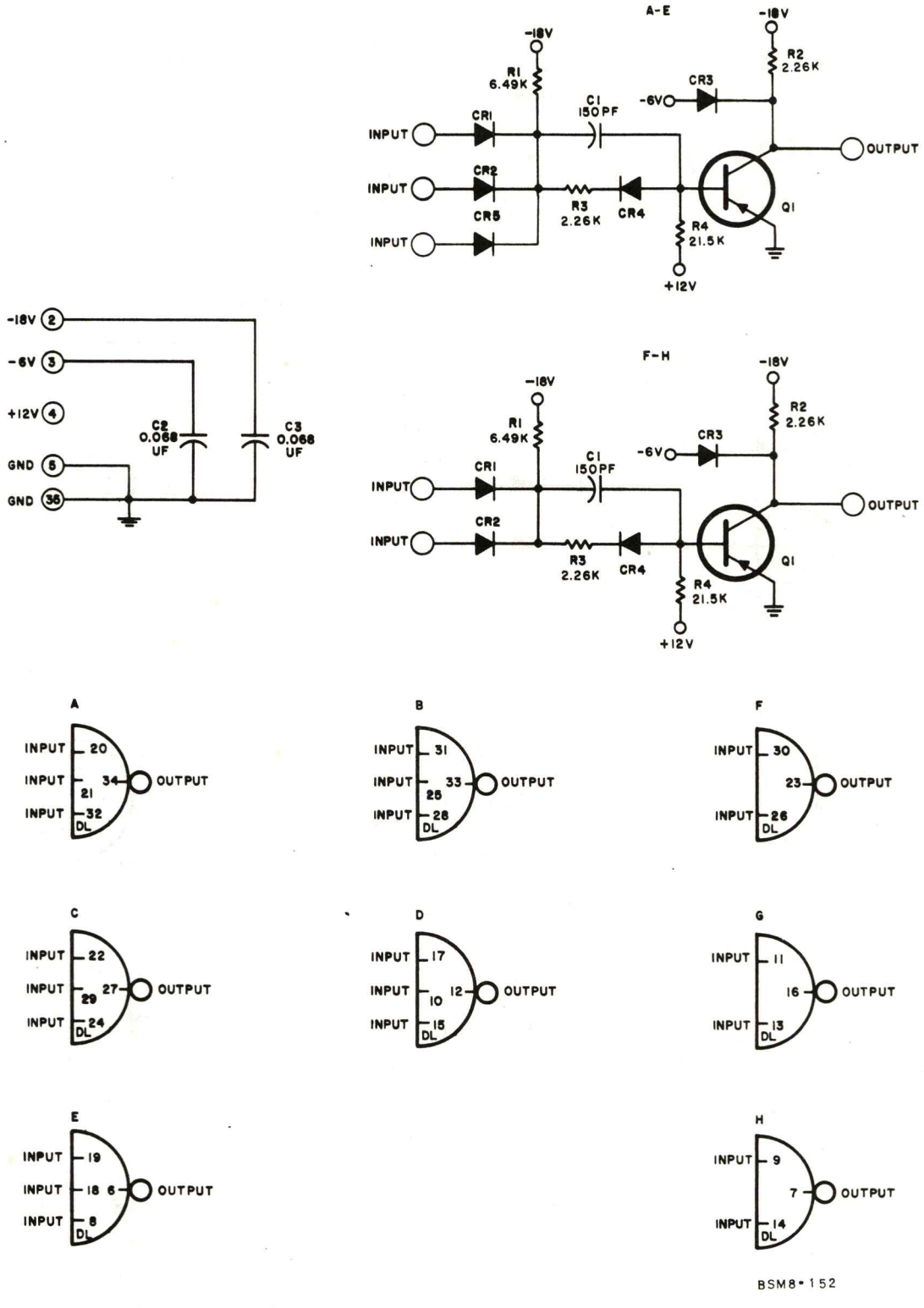


Figure 8-152. DL-30

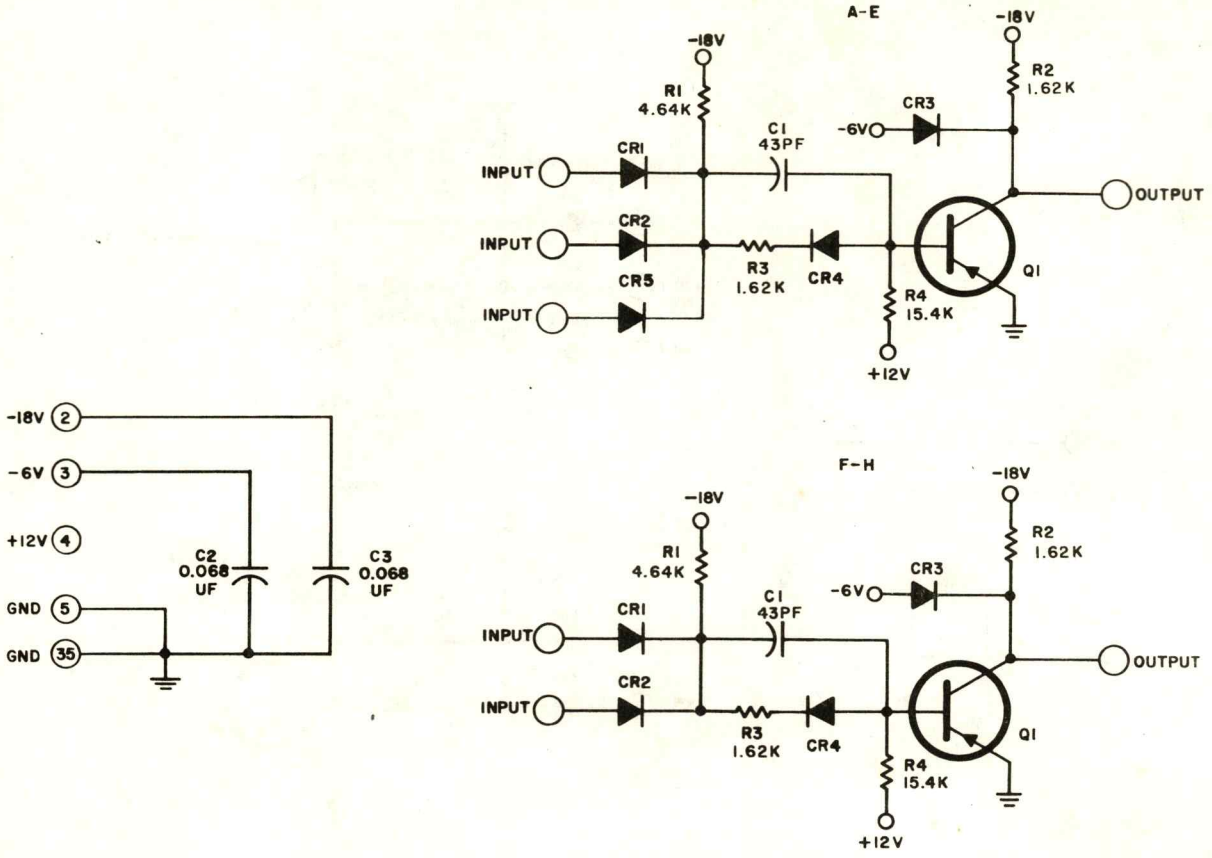


Figure 8-153. DL-35

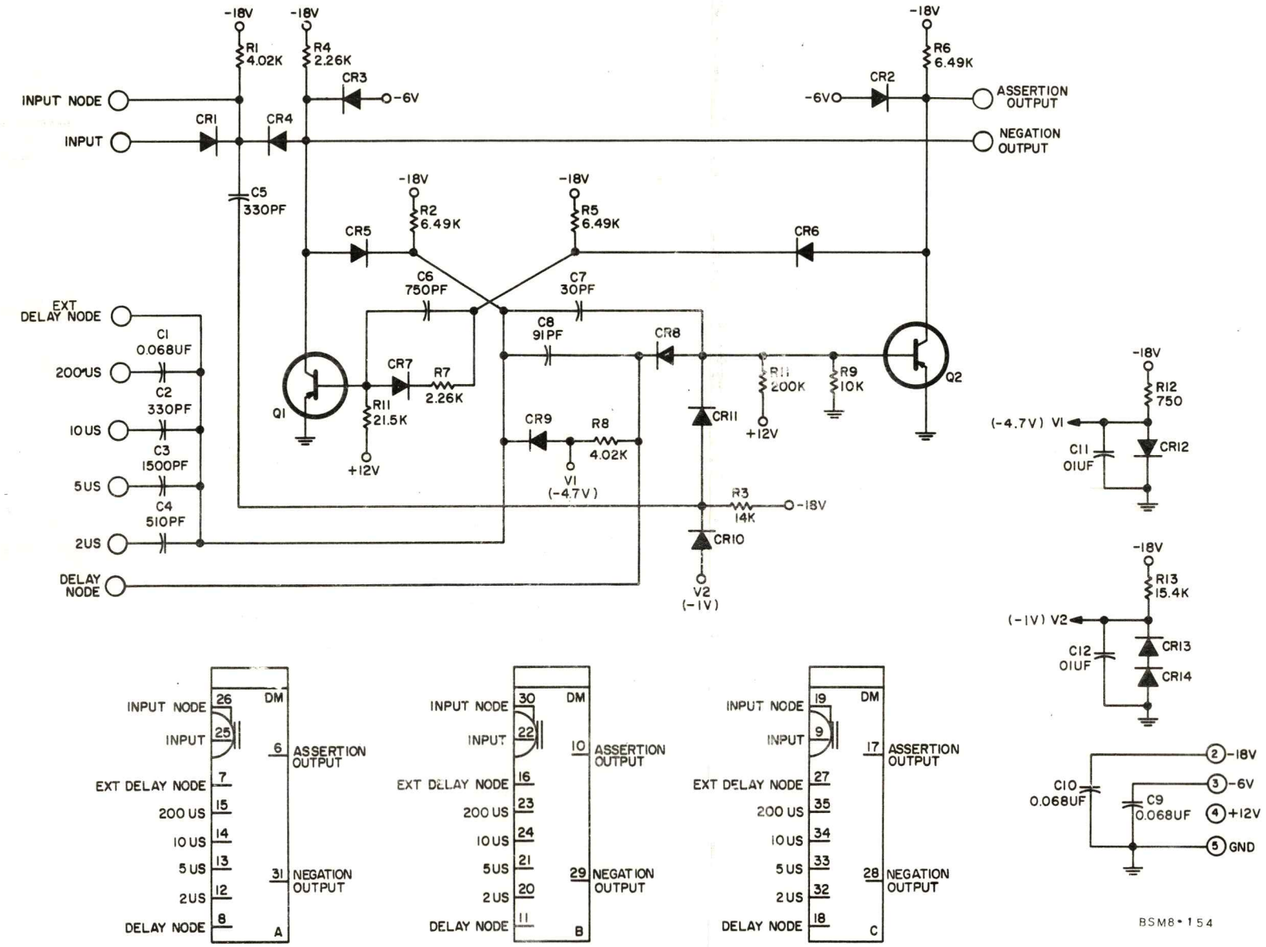


Figure 8-154. DM-30

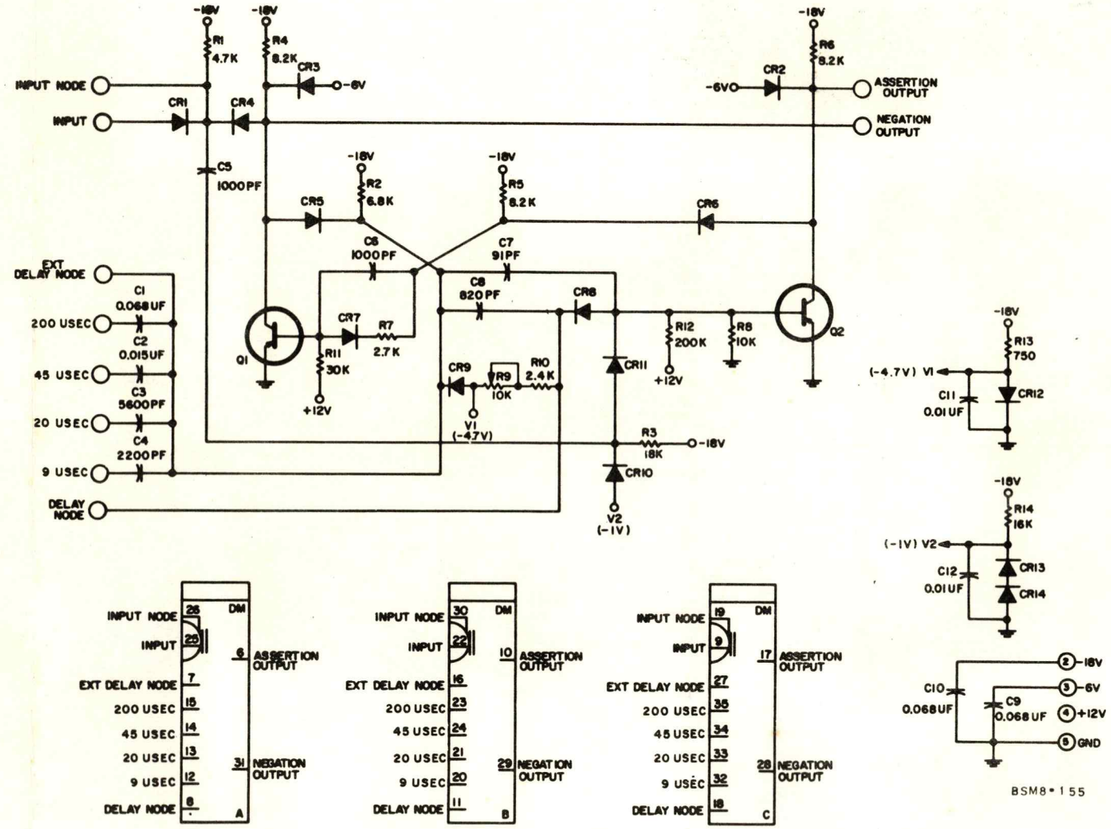


Figure 8-155. DM-20A

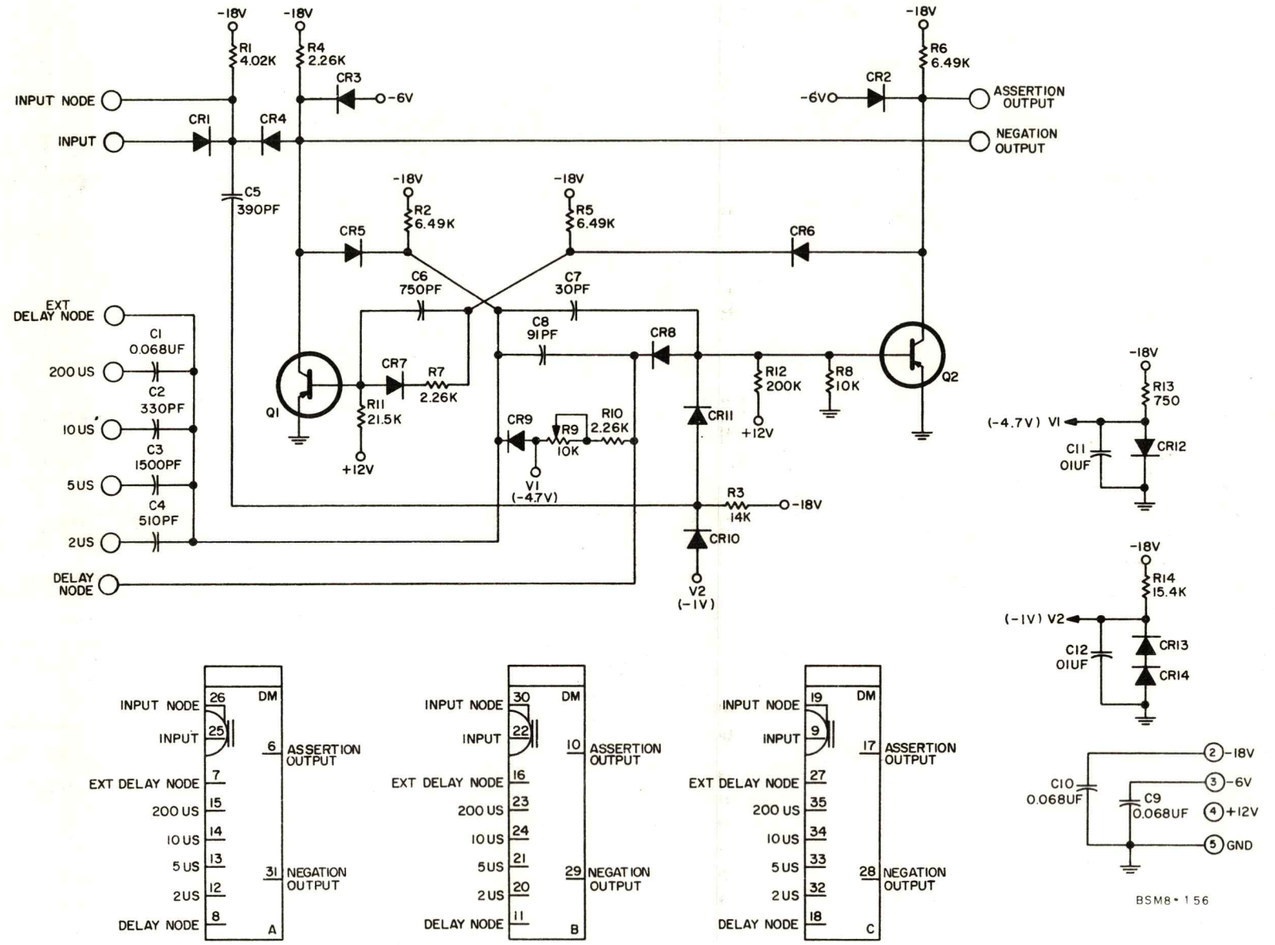


Figure 8-156. DM-30A

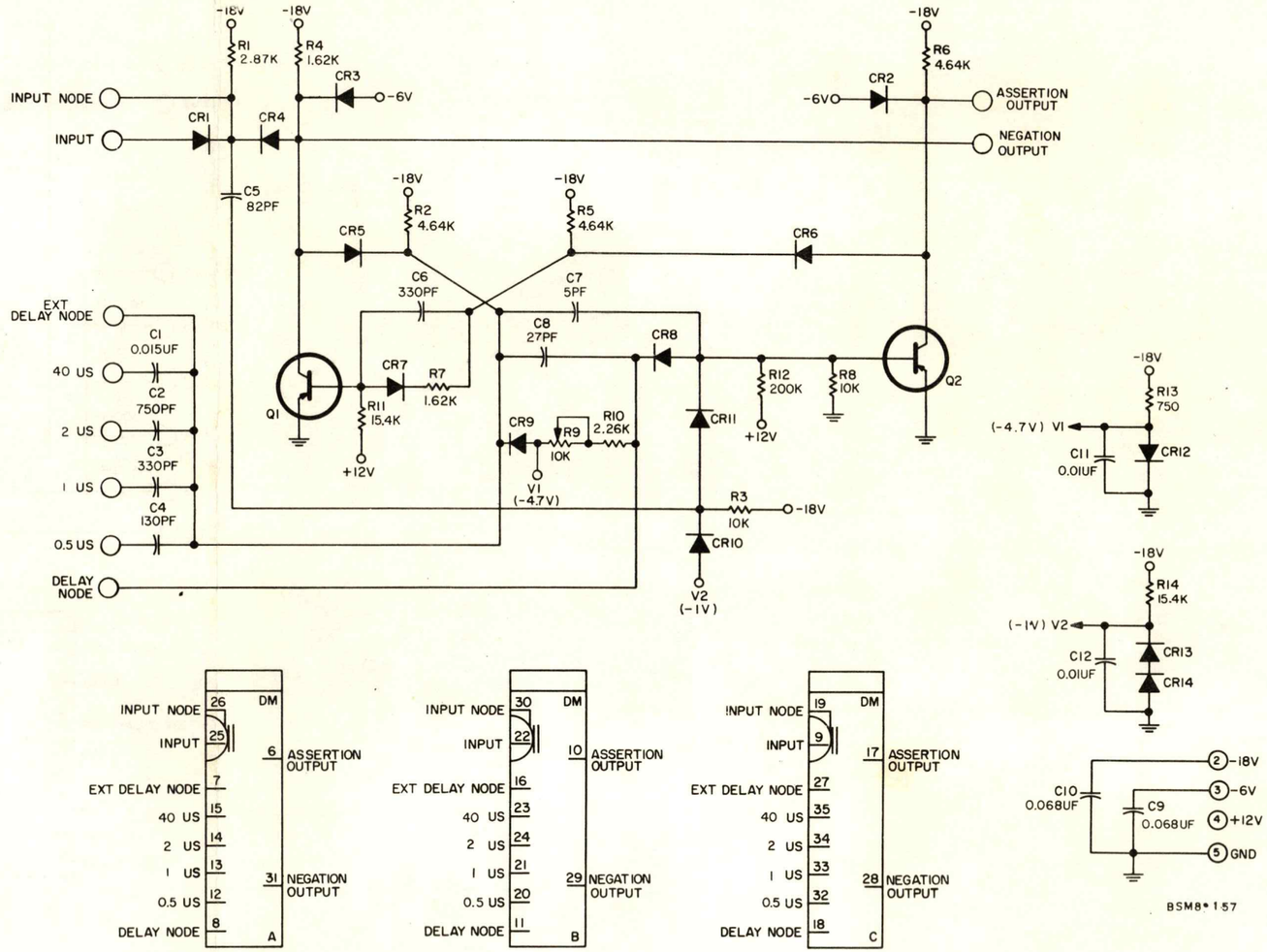


Figure 8-157. DM-35A

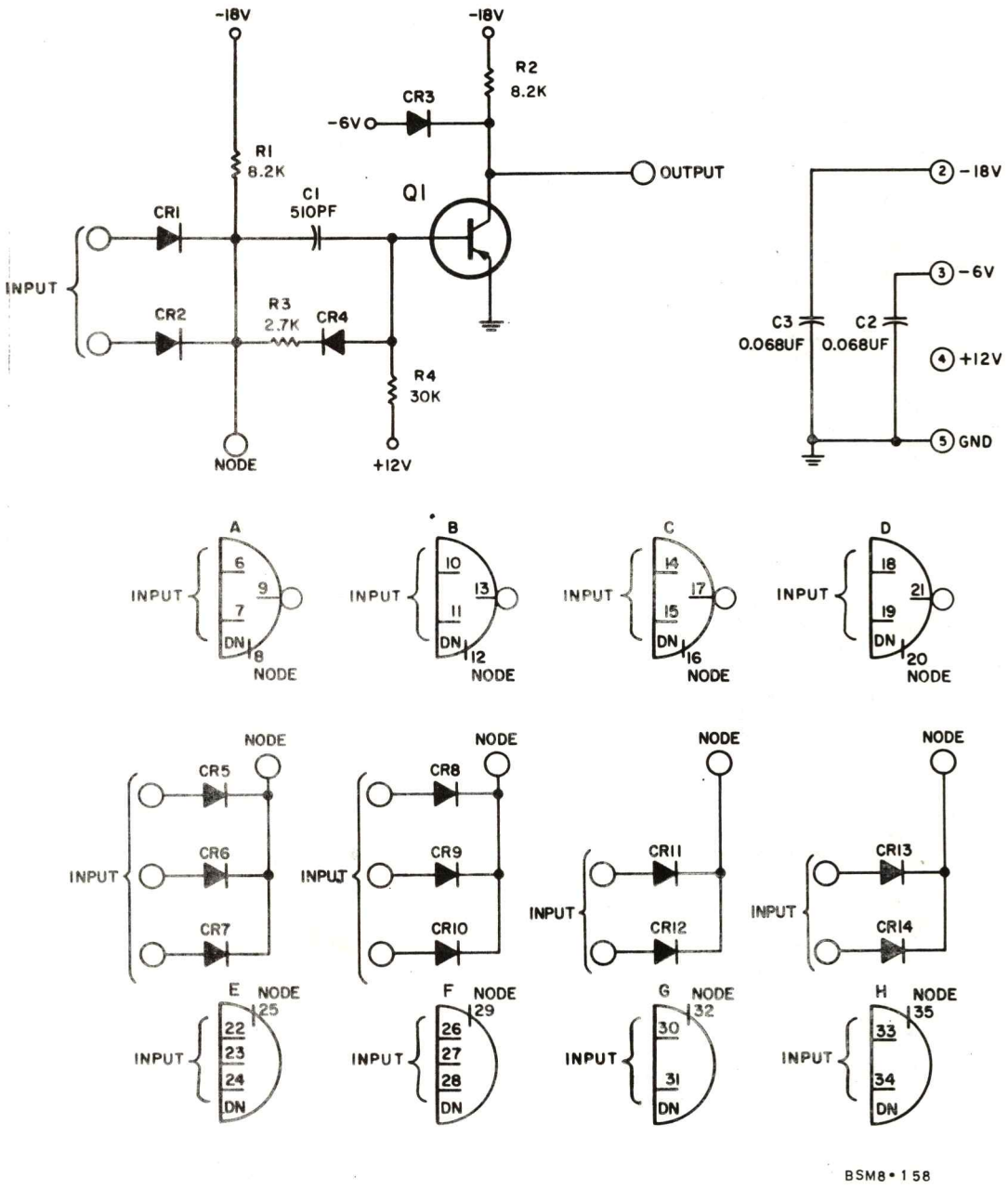


Figure 8-158. DN-20

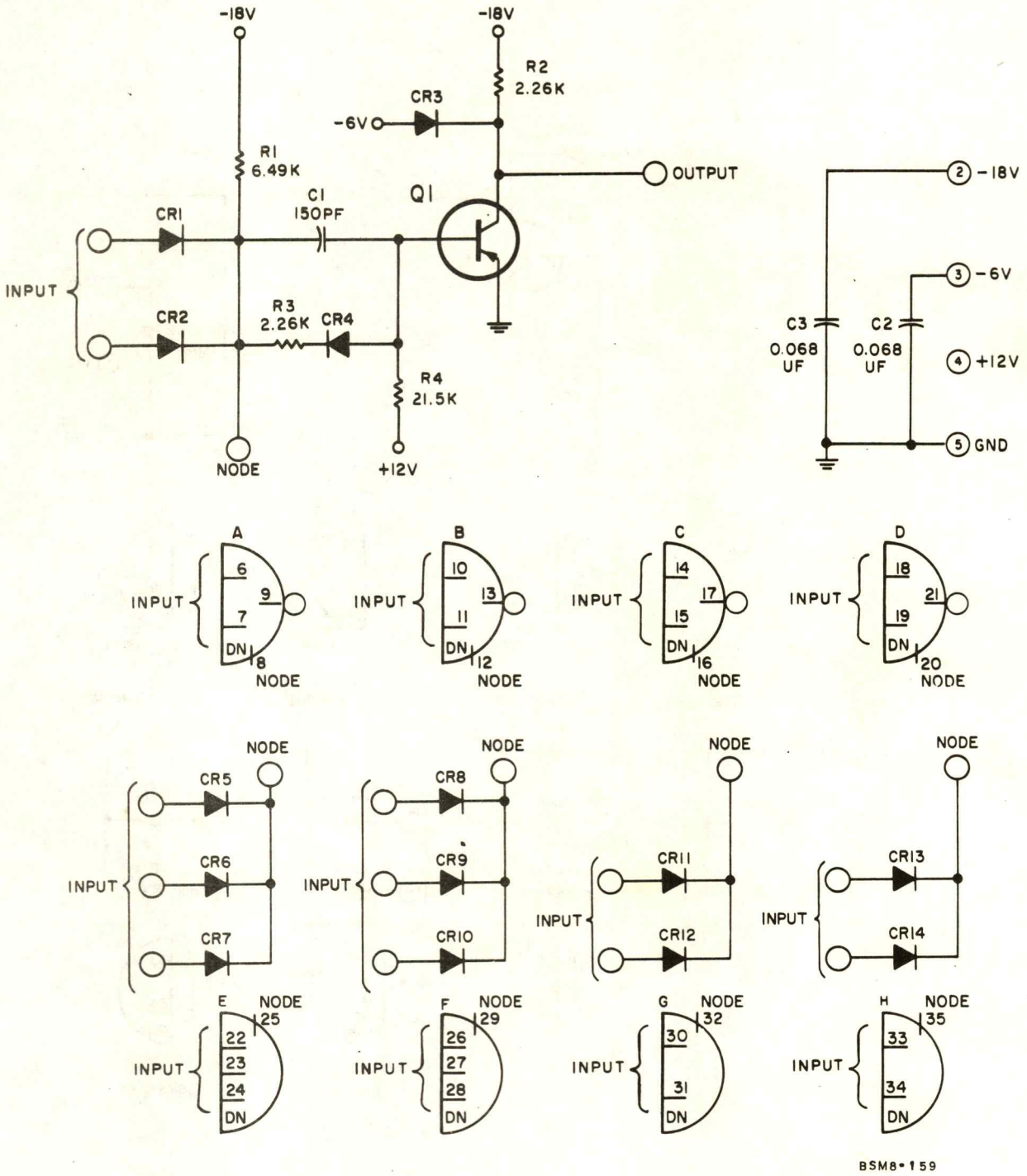


Figure 8-159. DN-30

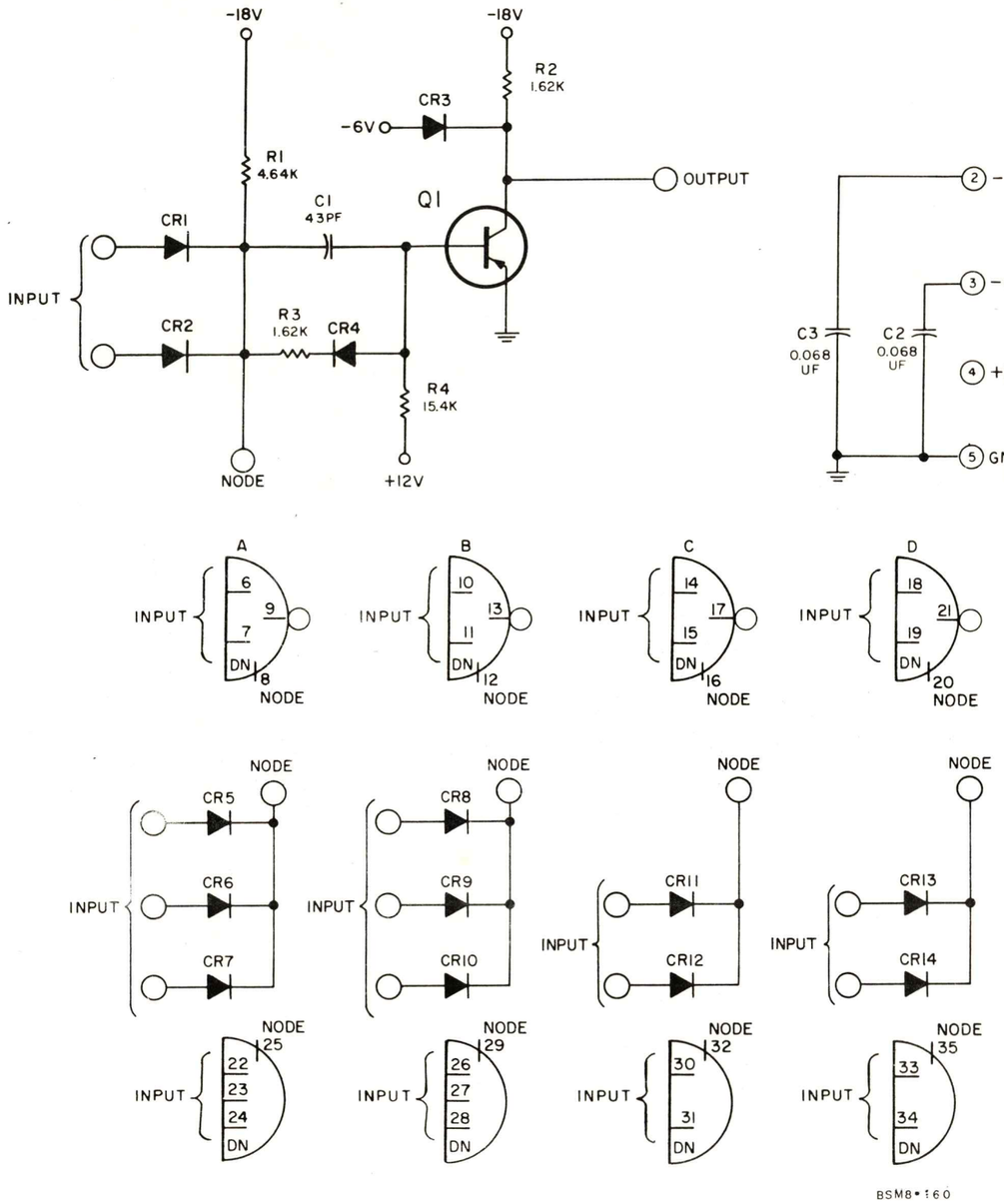


Figure 8-160. DN-35

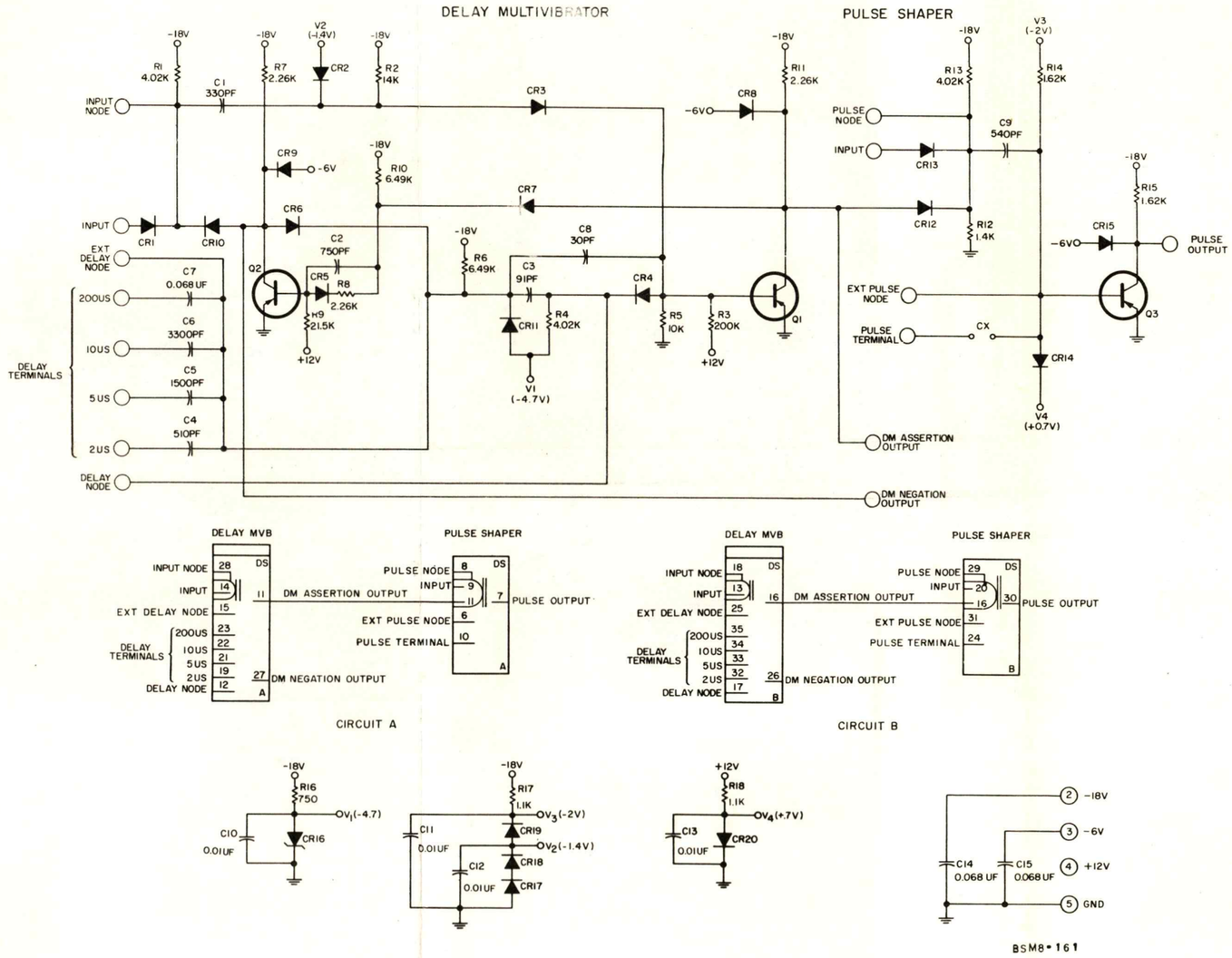
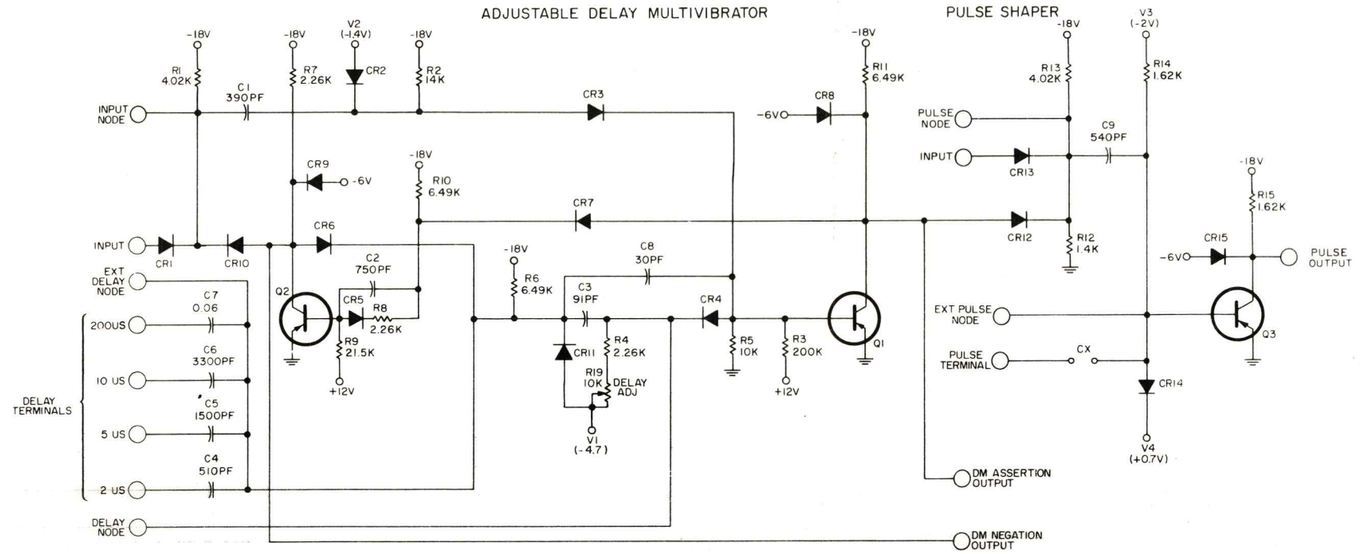
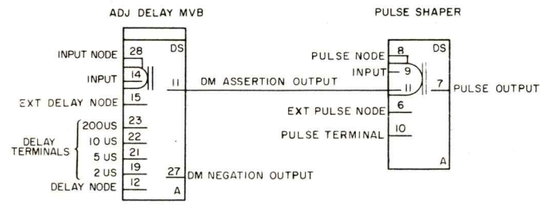
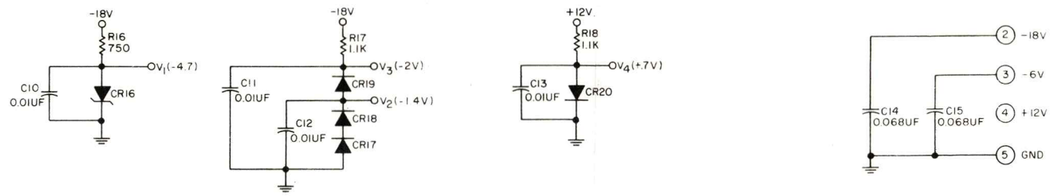


Figure 8-161. DS-30







BSM8-162

Figure 8-162. DS-30A

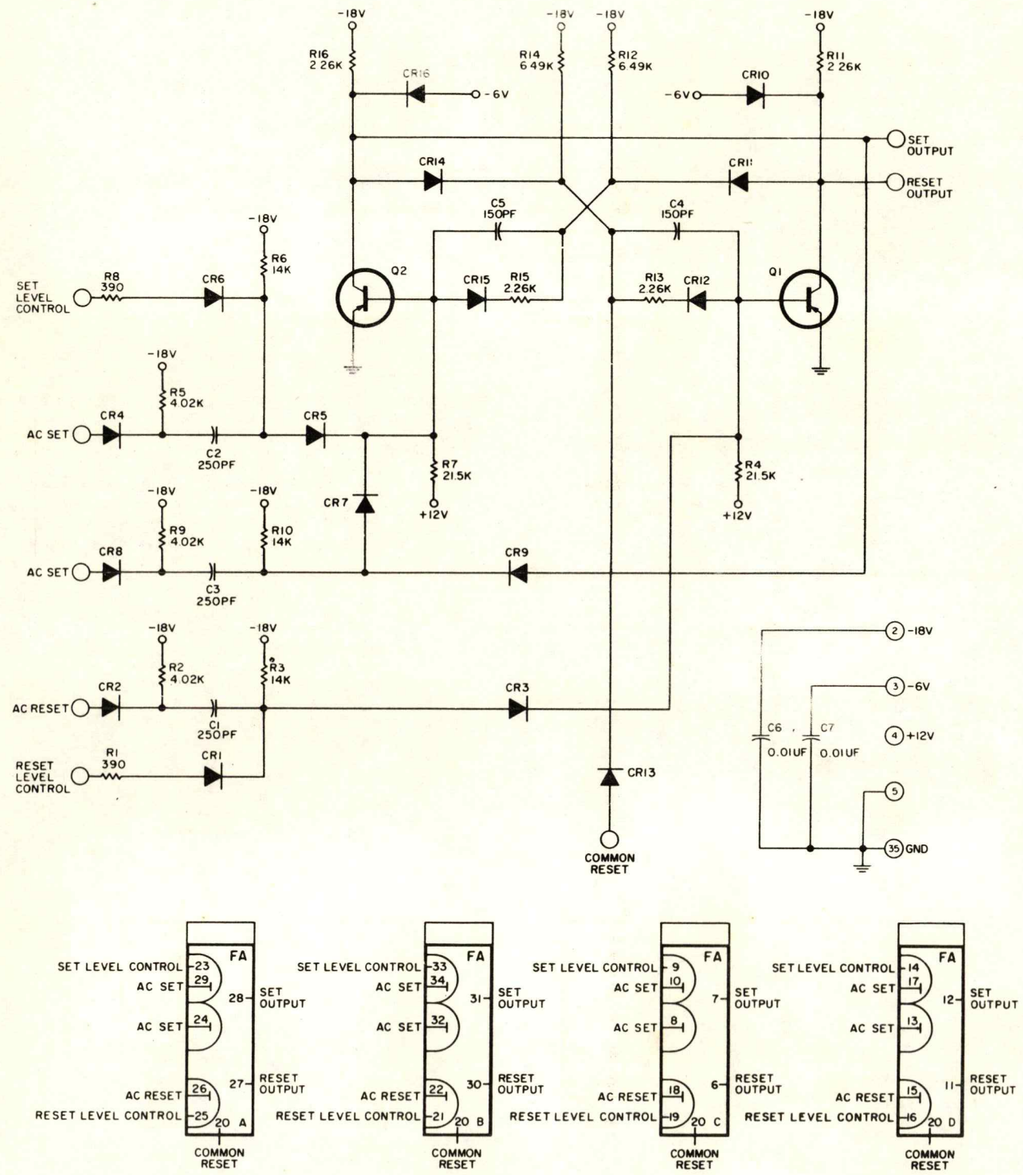


Figure 8-163. FA-30

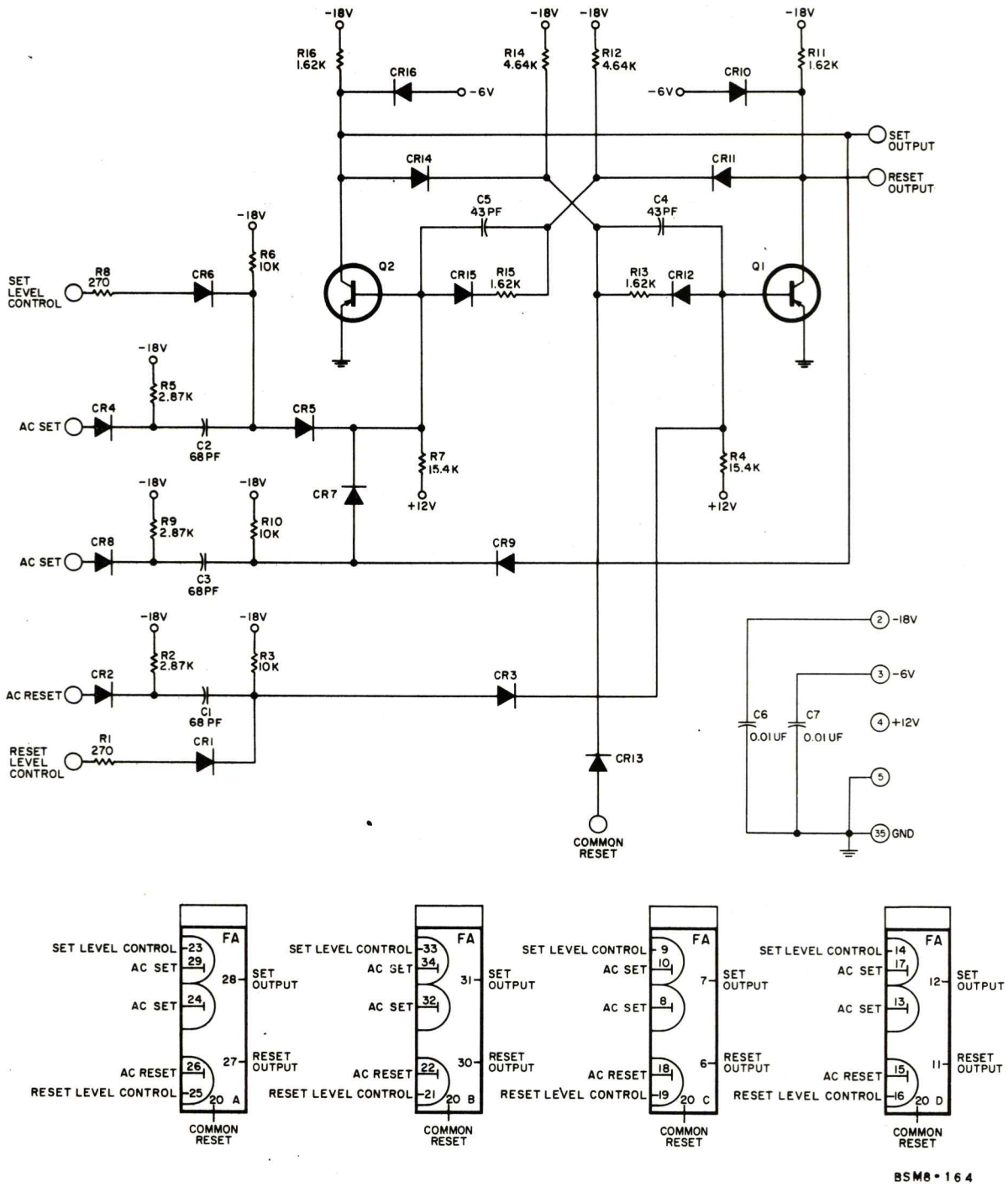


Figure 8-164. FA-35

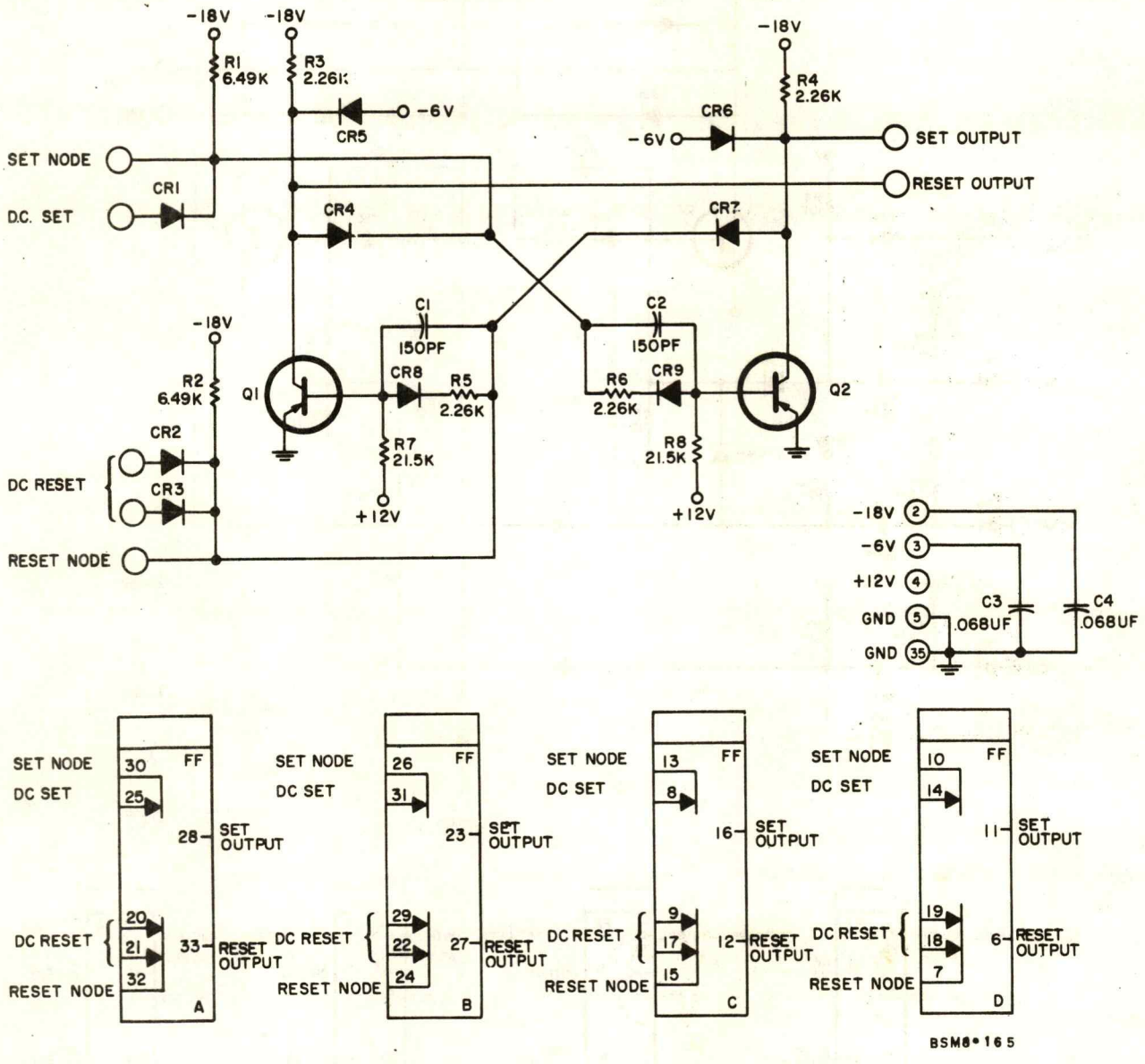


Figure 8-165. FF-30

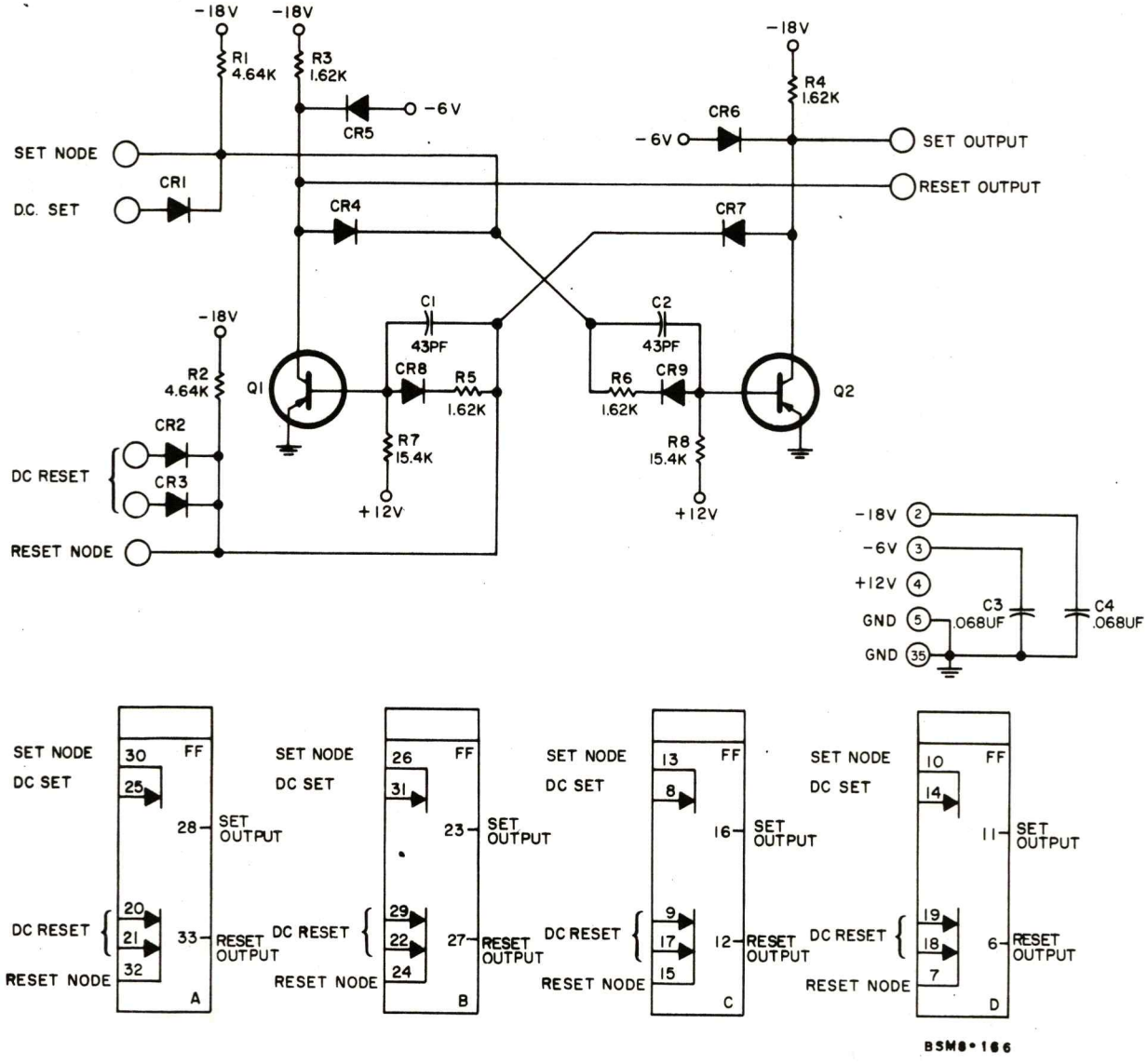
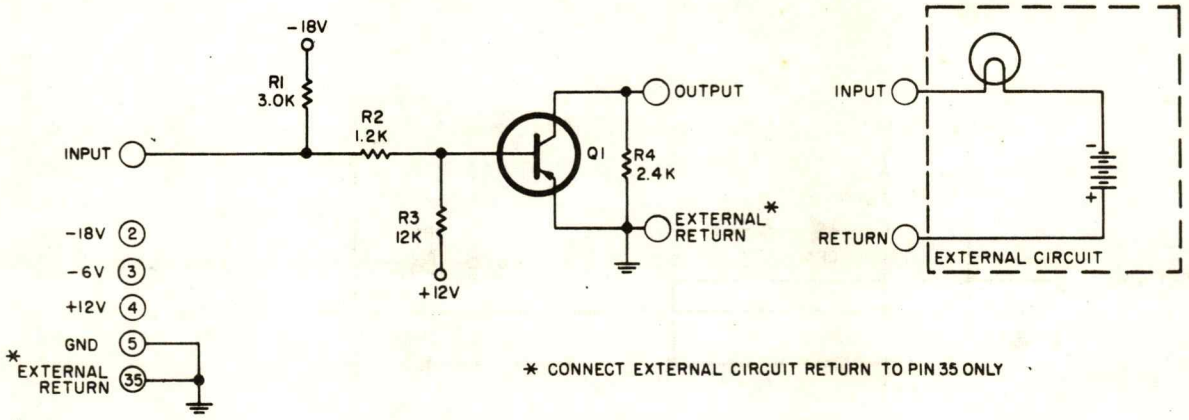


Figure 8-166. FF-35



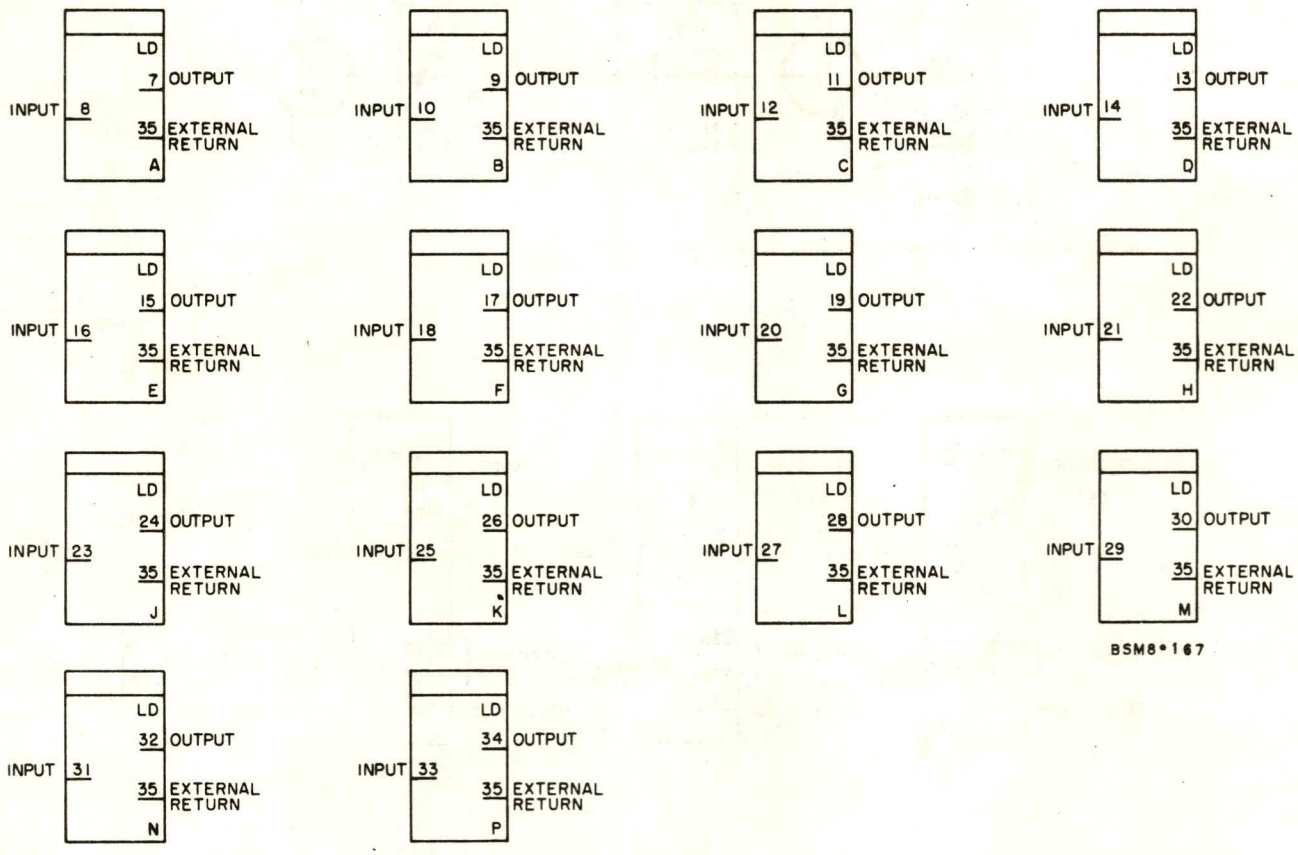
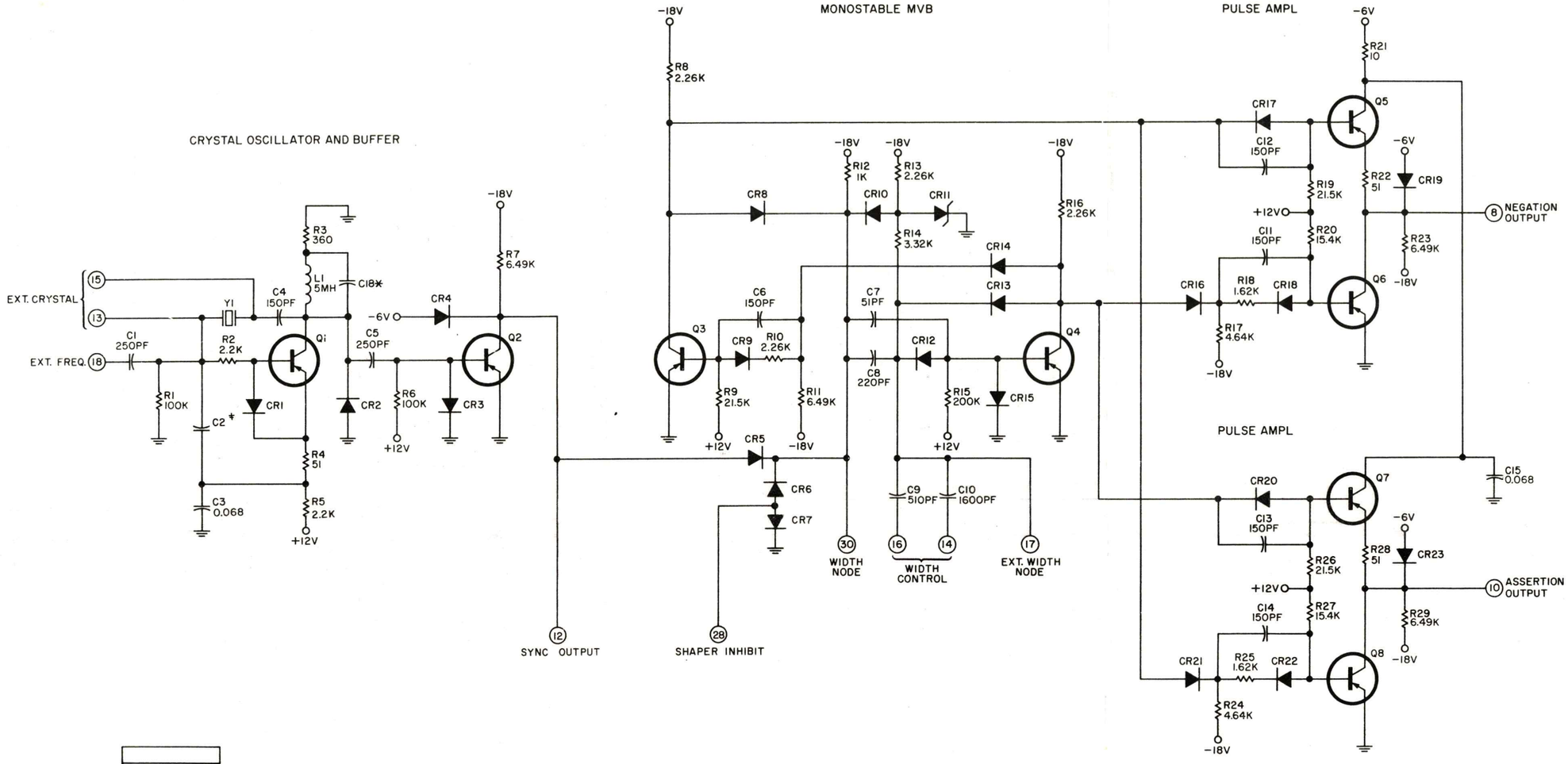
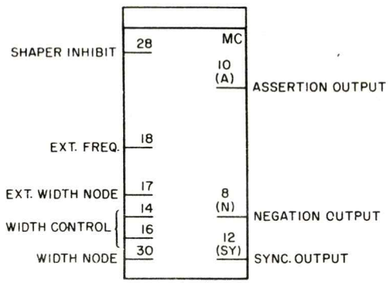


Figure 8-167. LD-30





FREQUENCY RANGE	OPTIONAL VALUES FOR	
	C2‡	C18*
100KC-249KC	1000PF	750PF
250KC-499KC	510PF	250PF
500KC-1MC	250PF	50PF

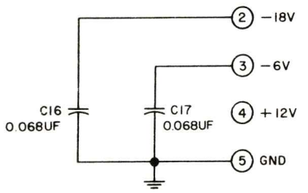
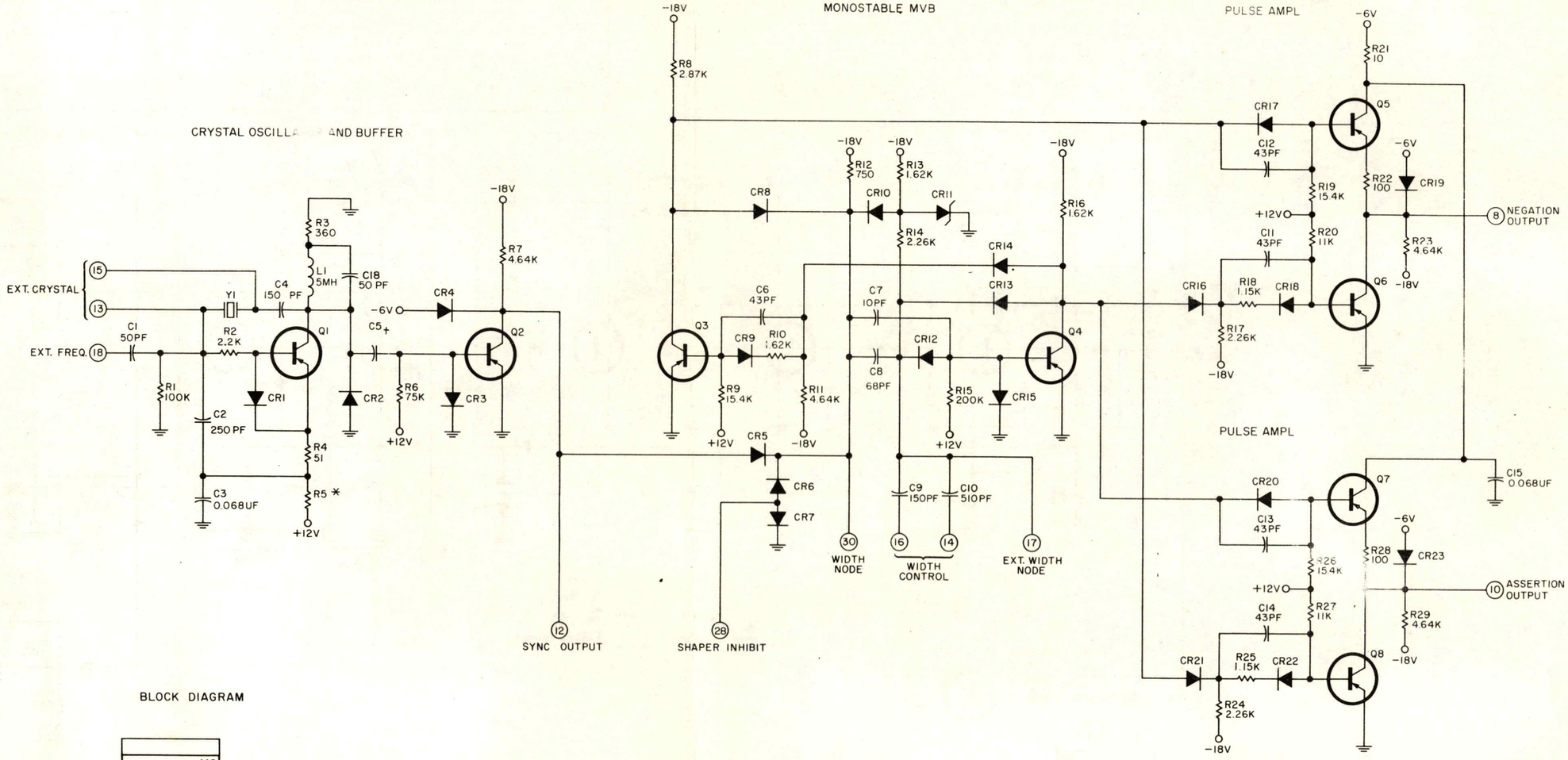
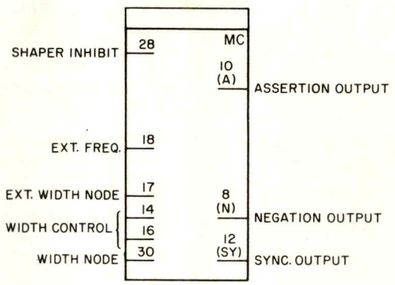


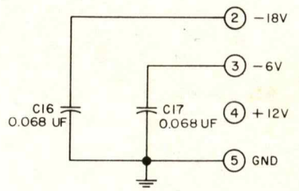
Figure 8-168. MC-30



BLOCK DIAGRAM

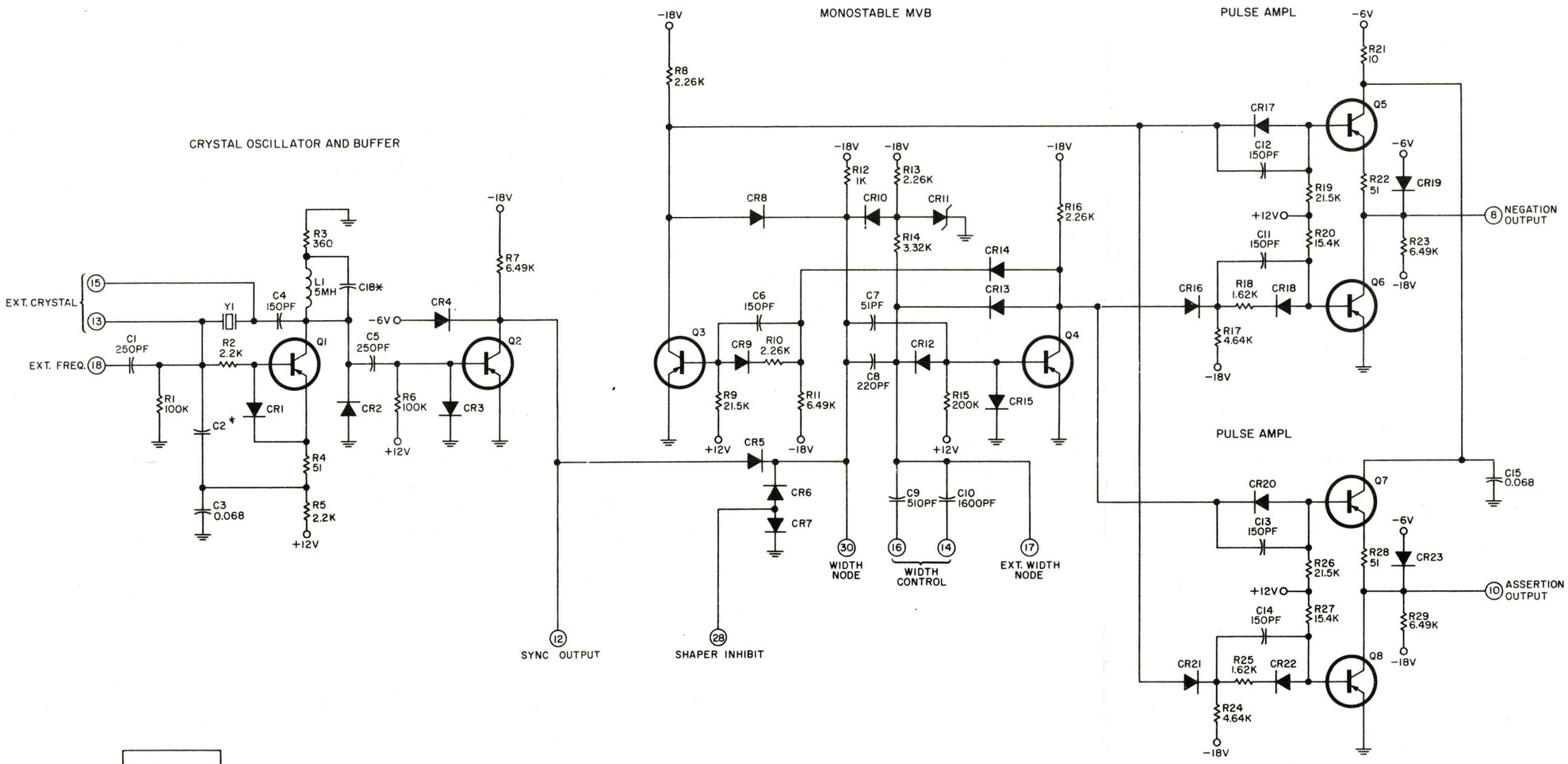


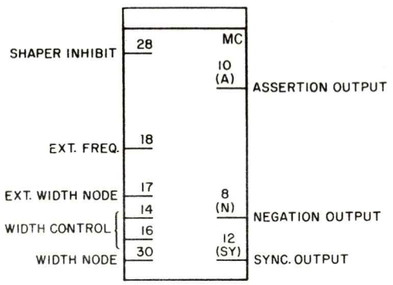
FREQUENCY RANGE	OPTIONAL VALUES FOR	
	C5 †	R5 *
1MC-1.99MC	250 PF	2.2K
2MC-5MC	100 PF	1K



BSM8-169

Figure 8-169. MC-35

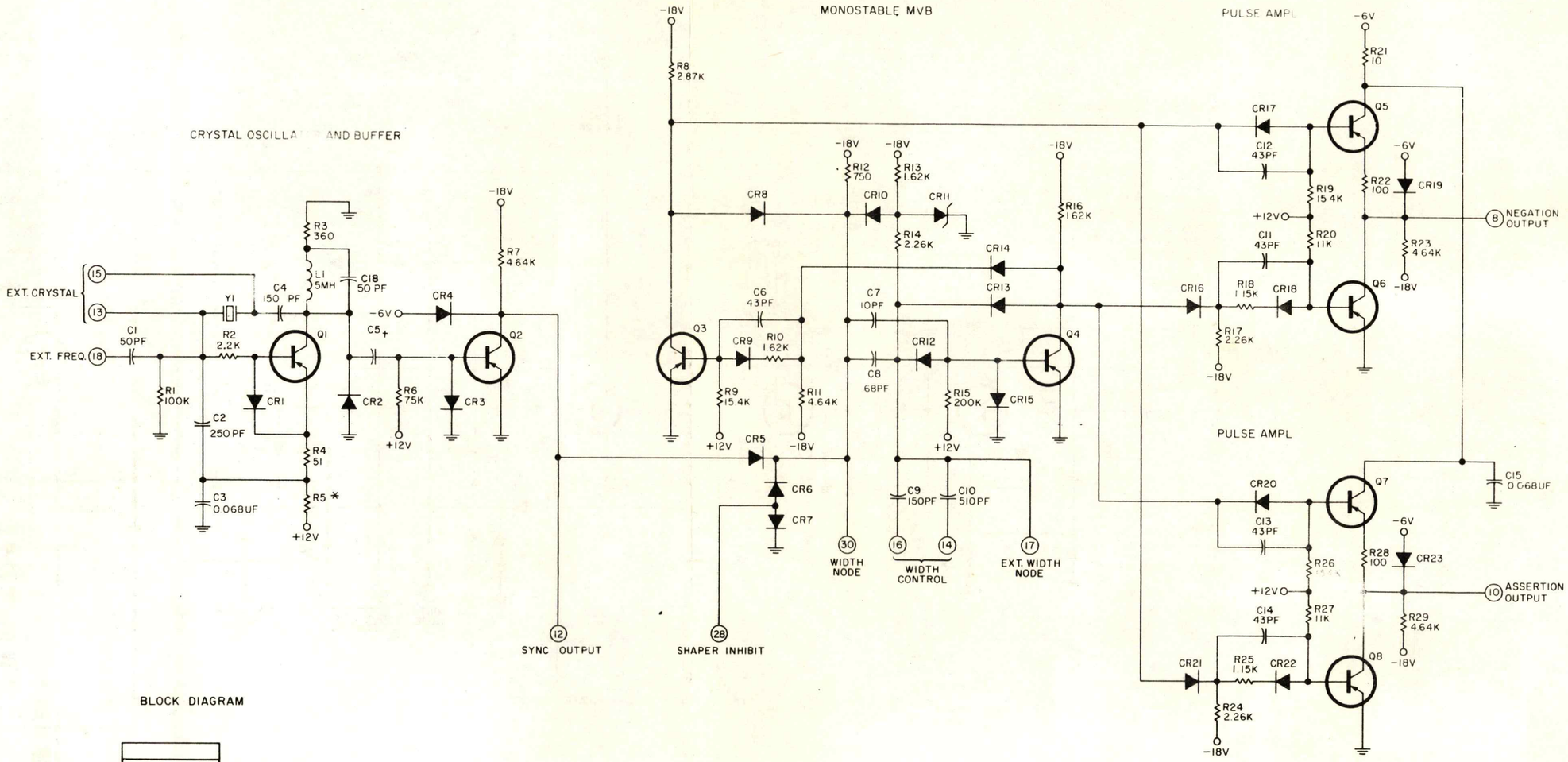




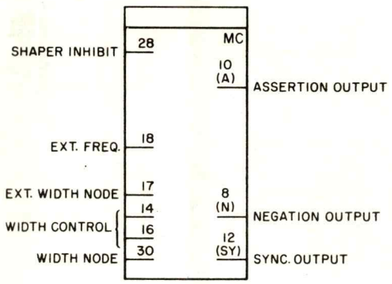
FREQUENCY RANGE	OPTIONAL VALUES FOR	
	C2‡	C18*
100KC-249KC	1000PF	750PF
250KC-499KC	510 PF	250PF
500KC-1MC	250PF	50PF

BSM8-170

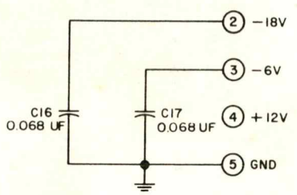
Figure 8-170. MC-30X



BLOCK DIAGRAM



FREQUENCY RANGE	OPTIONAL VALUES FOR	
	C5 †	R5*
1MC-1.99MC	250PF	2.2K
2MC-5MC	100PF	1K



BSM8-171

Figure 8-171. MC-35X

CIRCUITS A-D

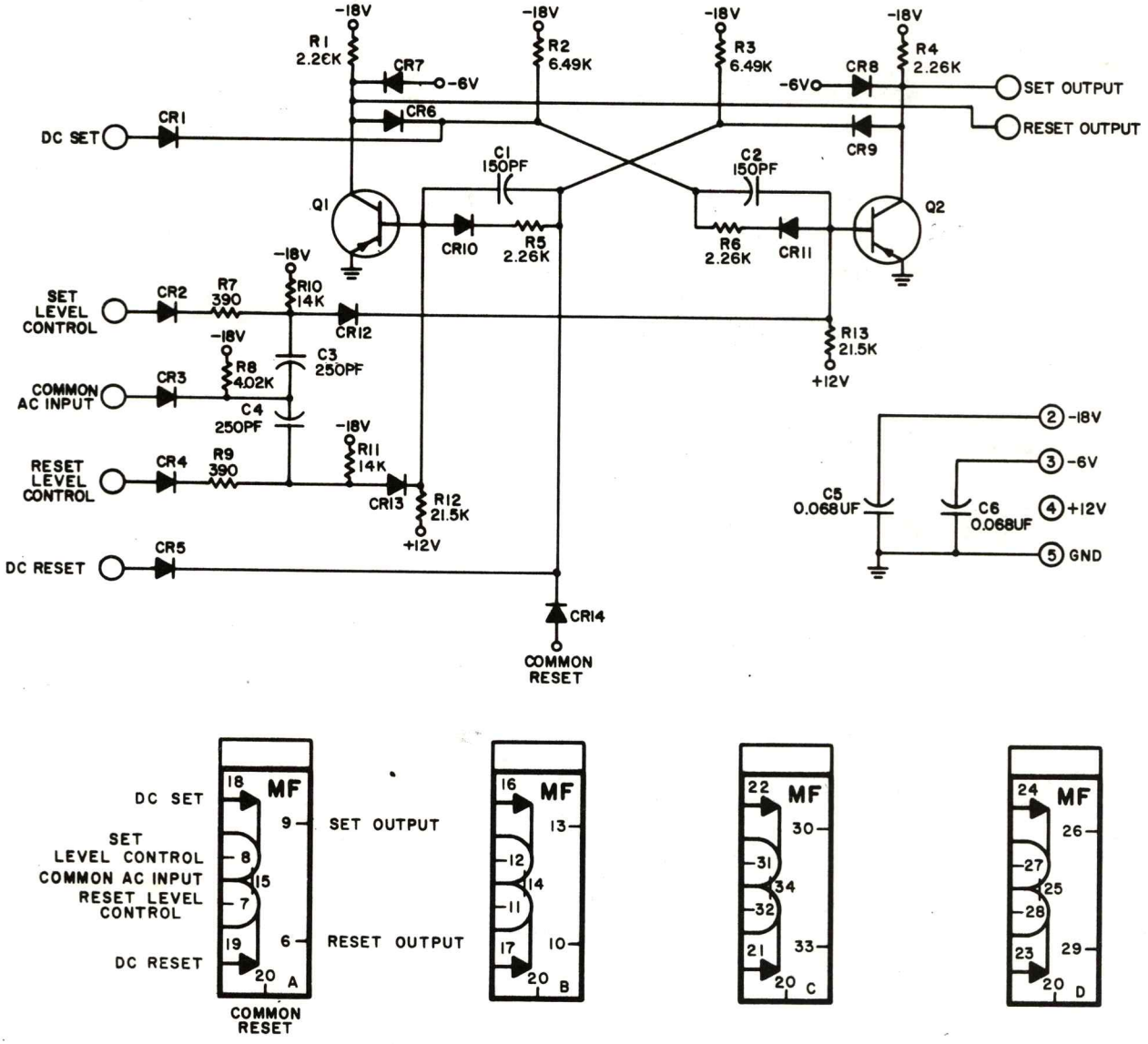


Figure 8-172. MF-30

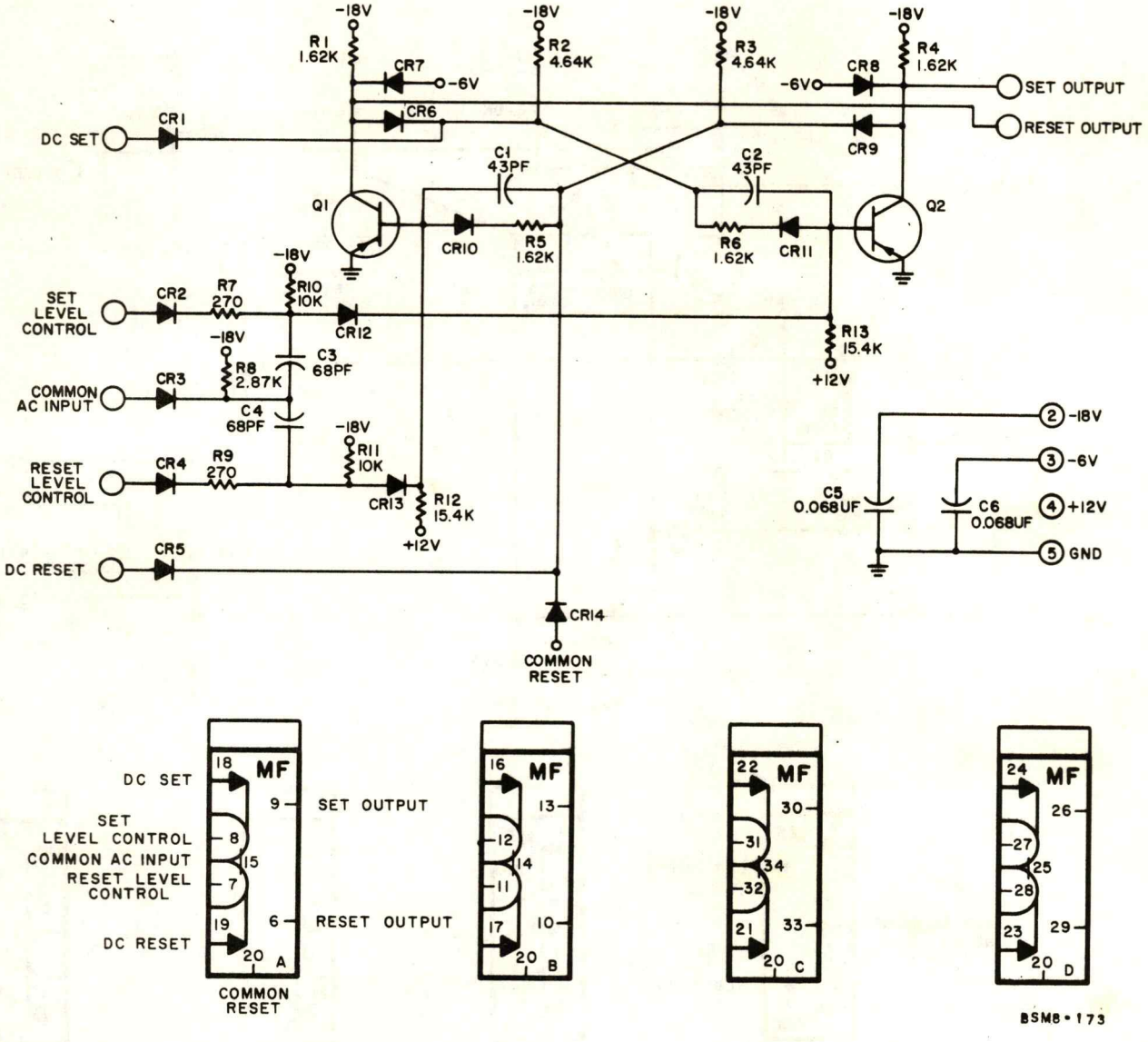
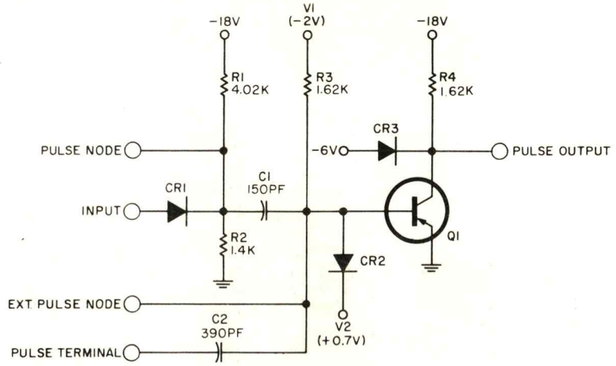
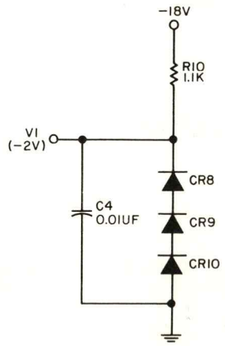
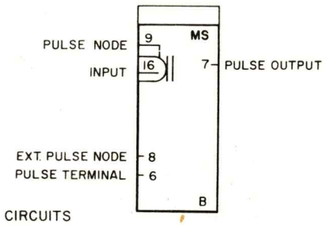


Figure 8-173. MF-35

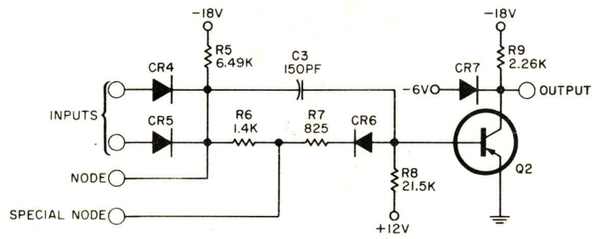


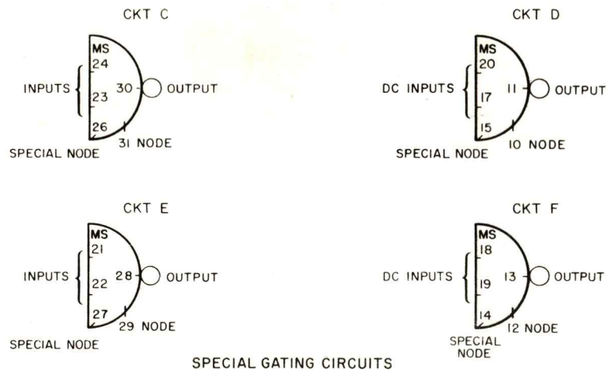




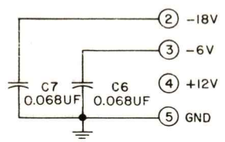
PULSE SHAPING CIRCUITS

PULSE SHAPING CIRCUITS





SPECIAL GATING CIRCUITS



BSM8-174

Figure 8-174. MS-30

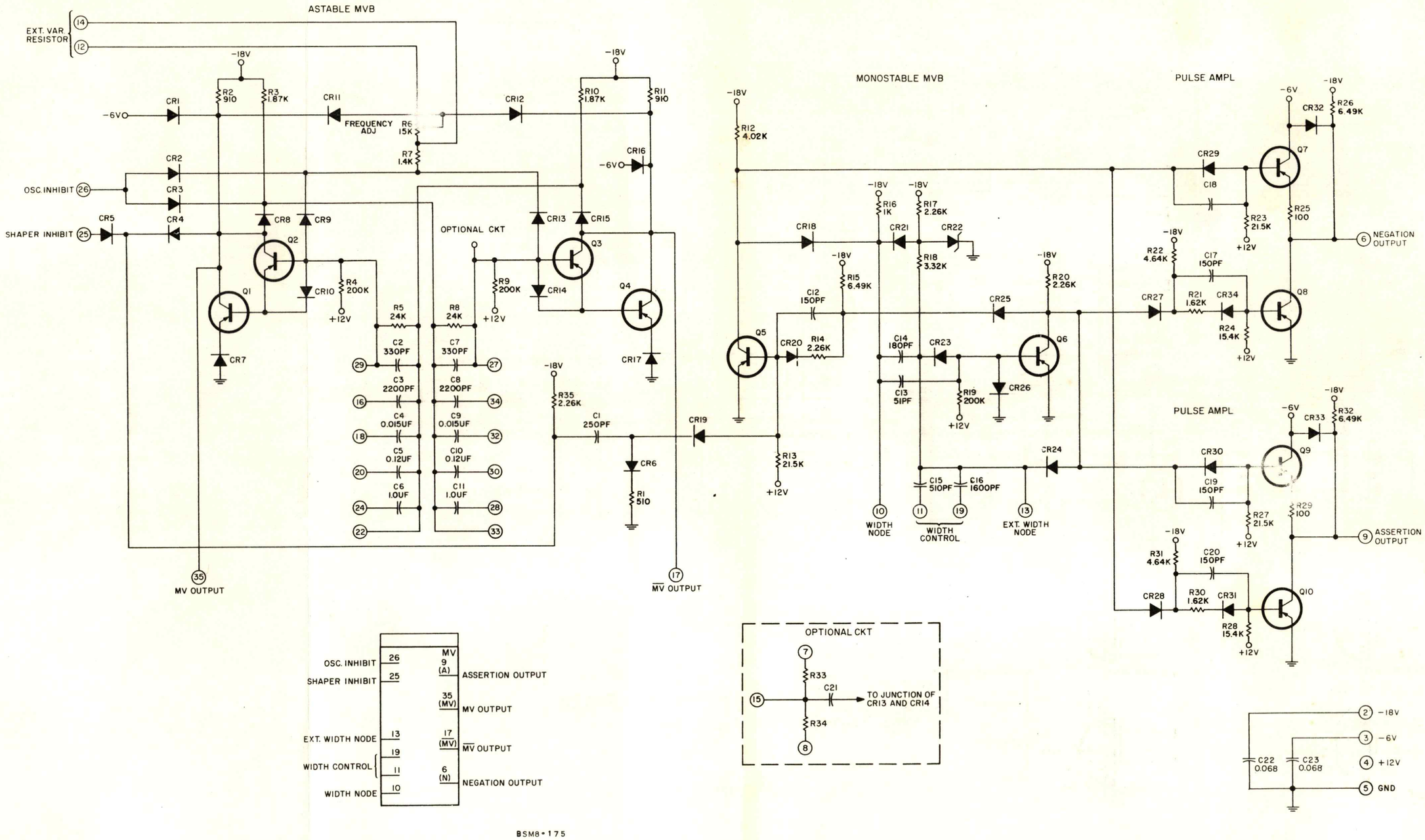


Figure 8-175. MV-30

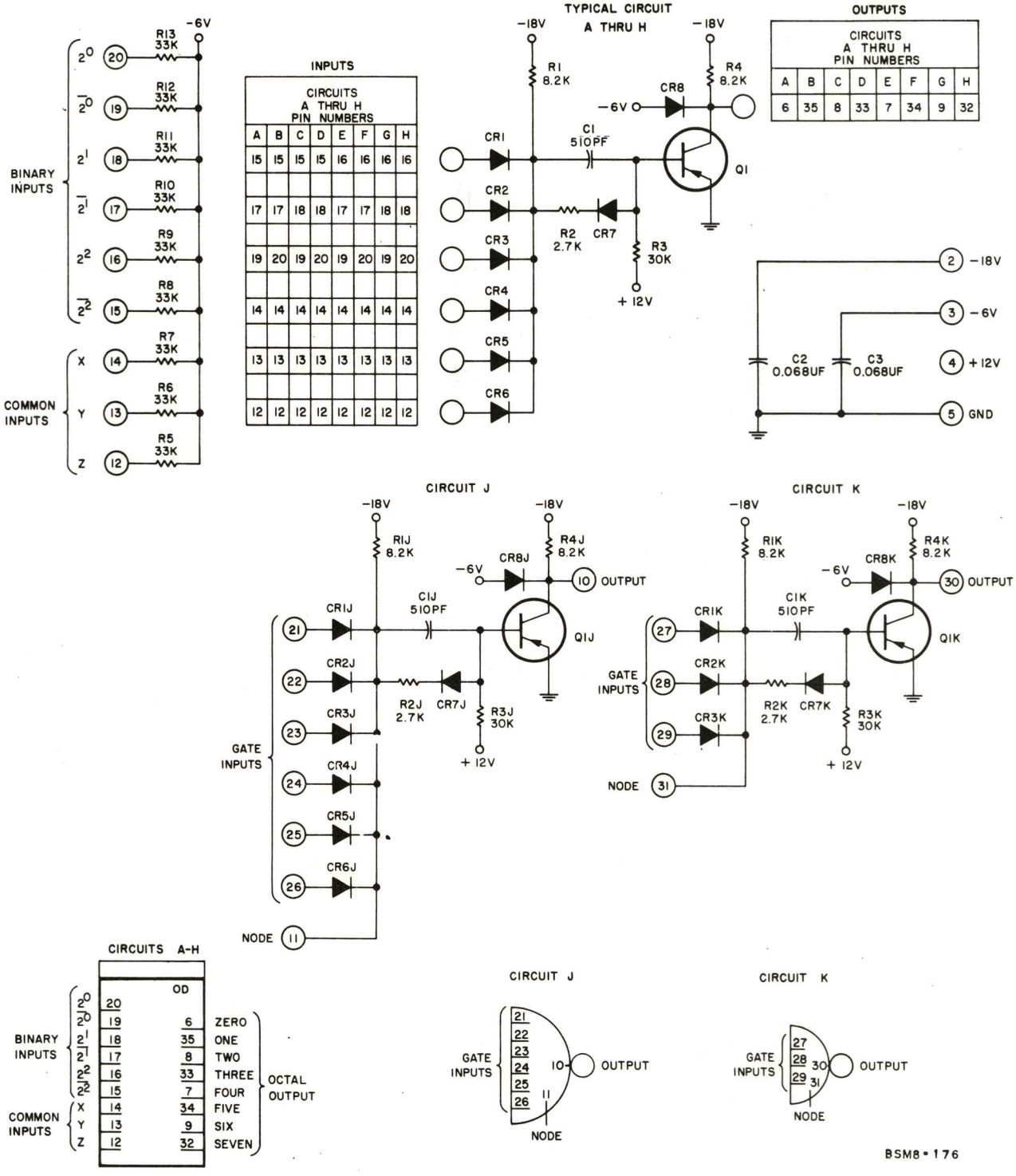


Figure 8-176. OD-20

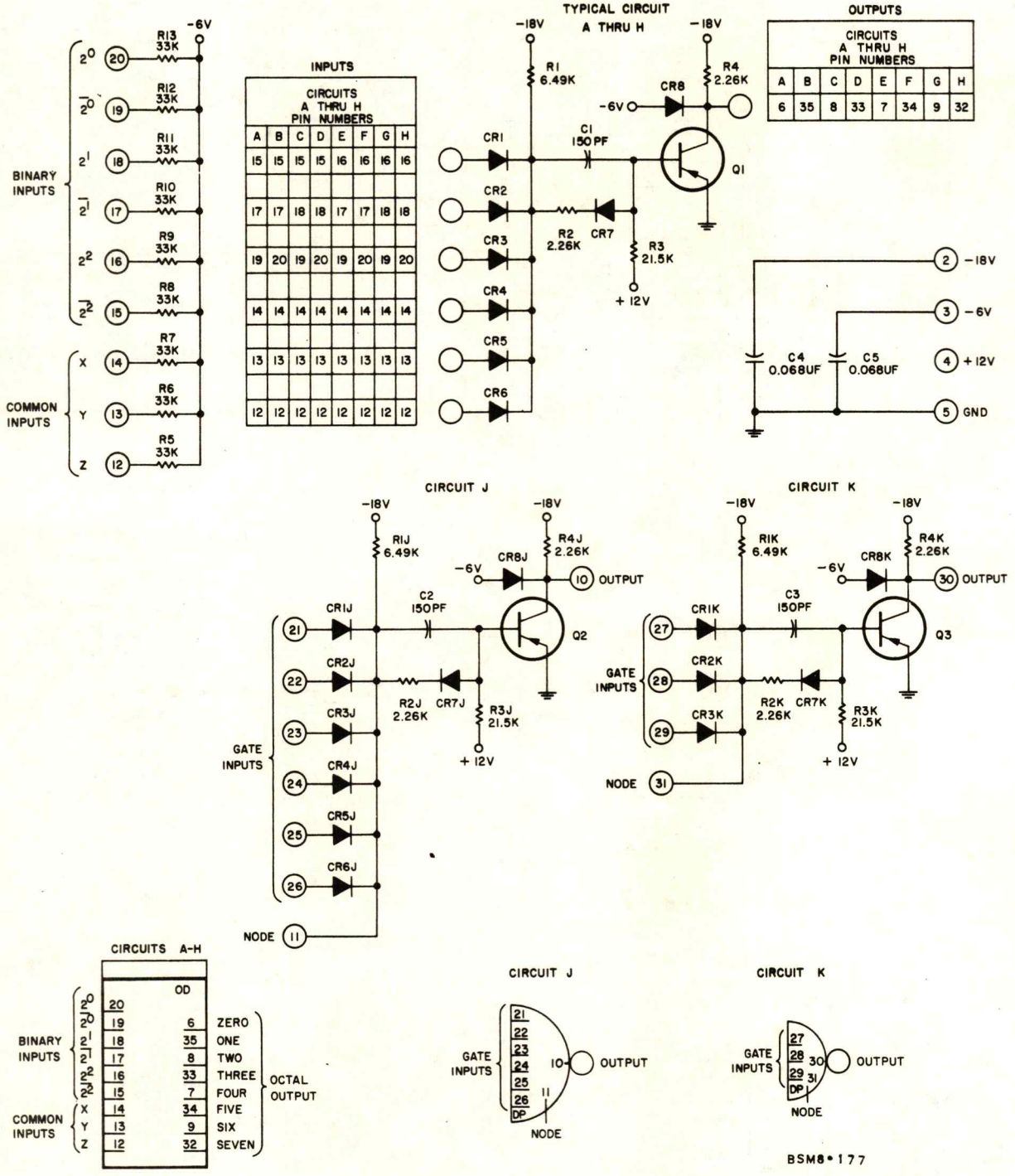


Figure 8-177. OD-30

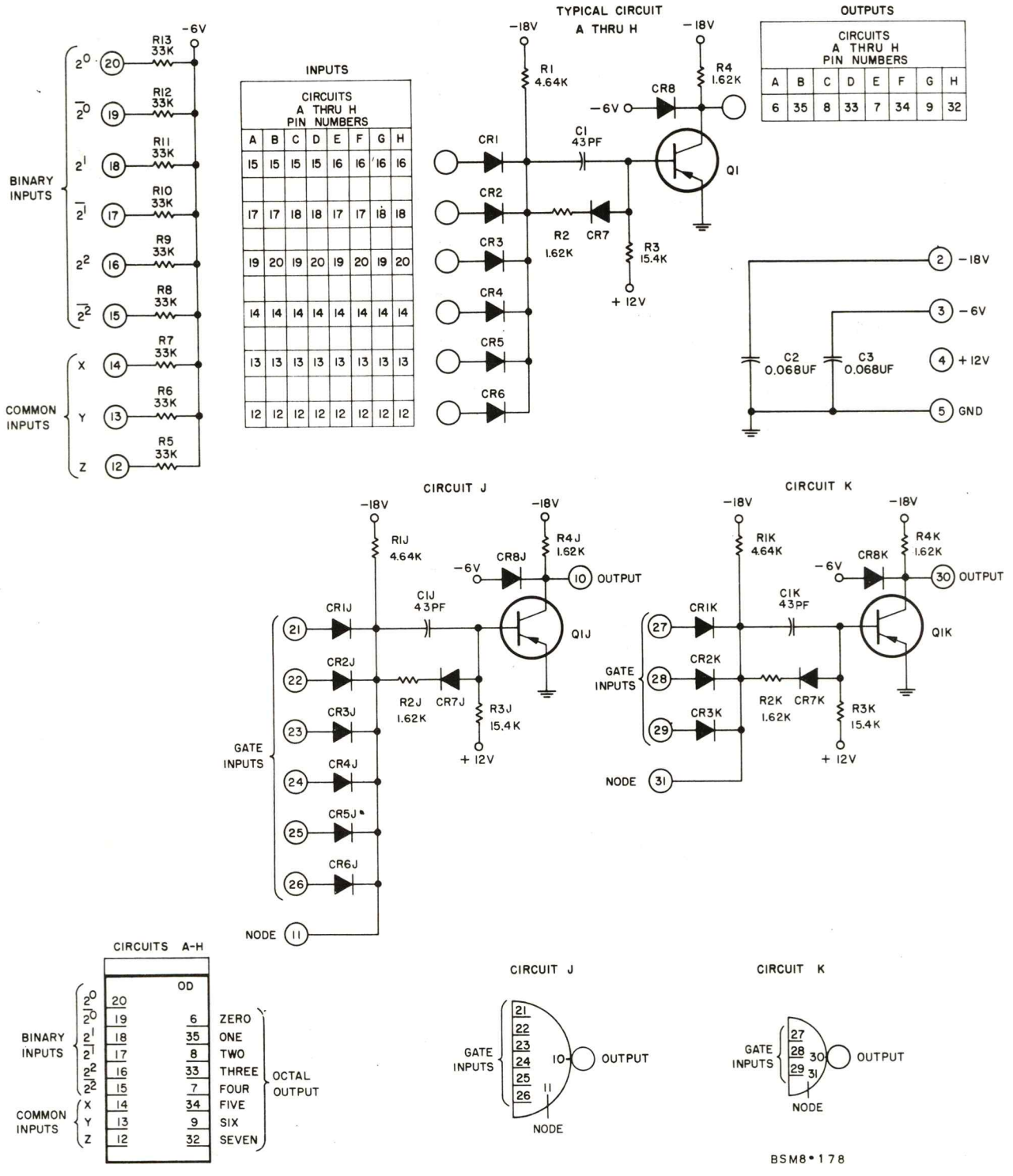


Figure 8-178. OD-35

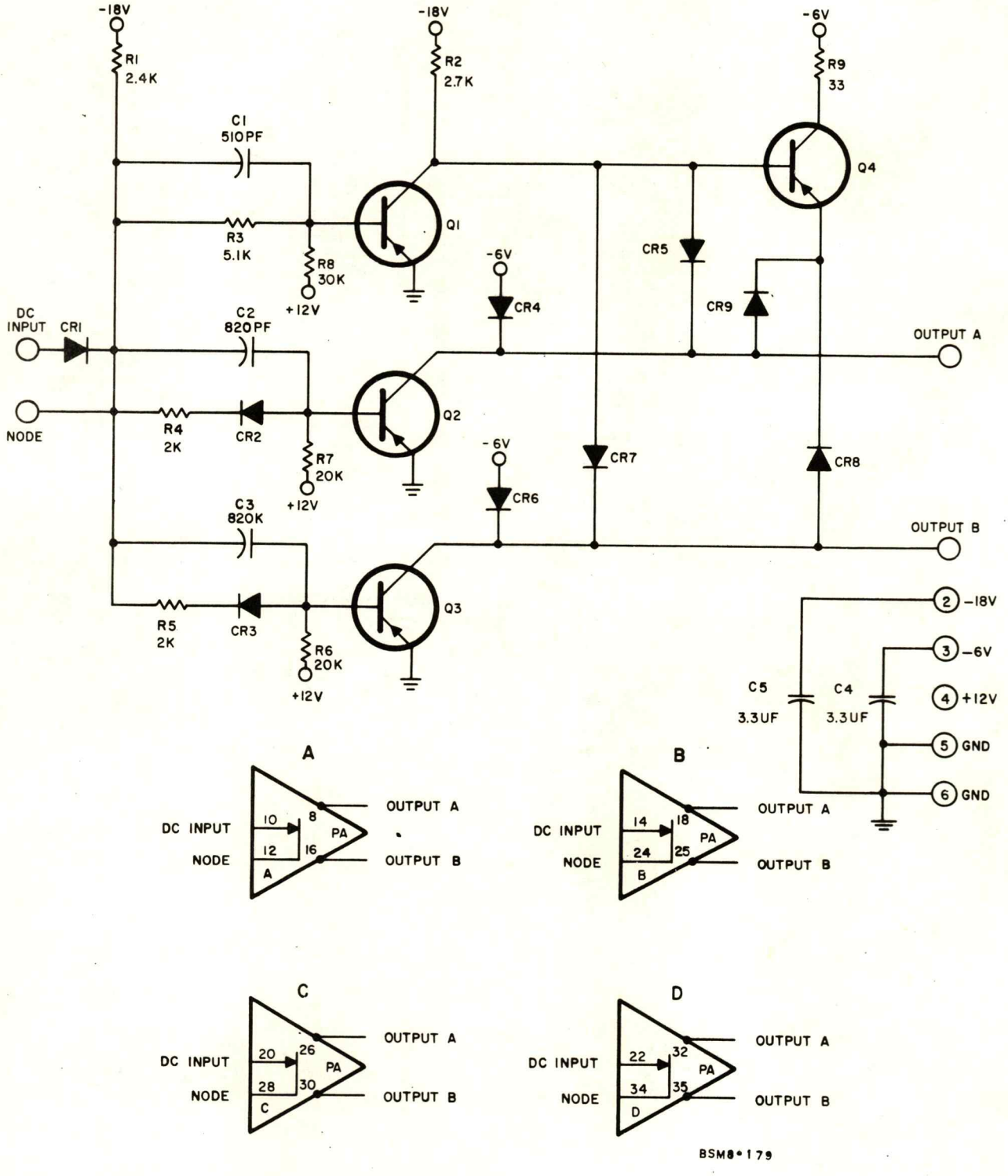


Figure 8-179. PA-20

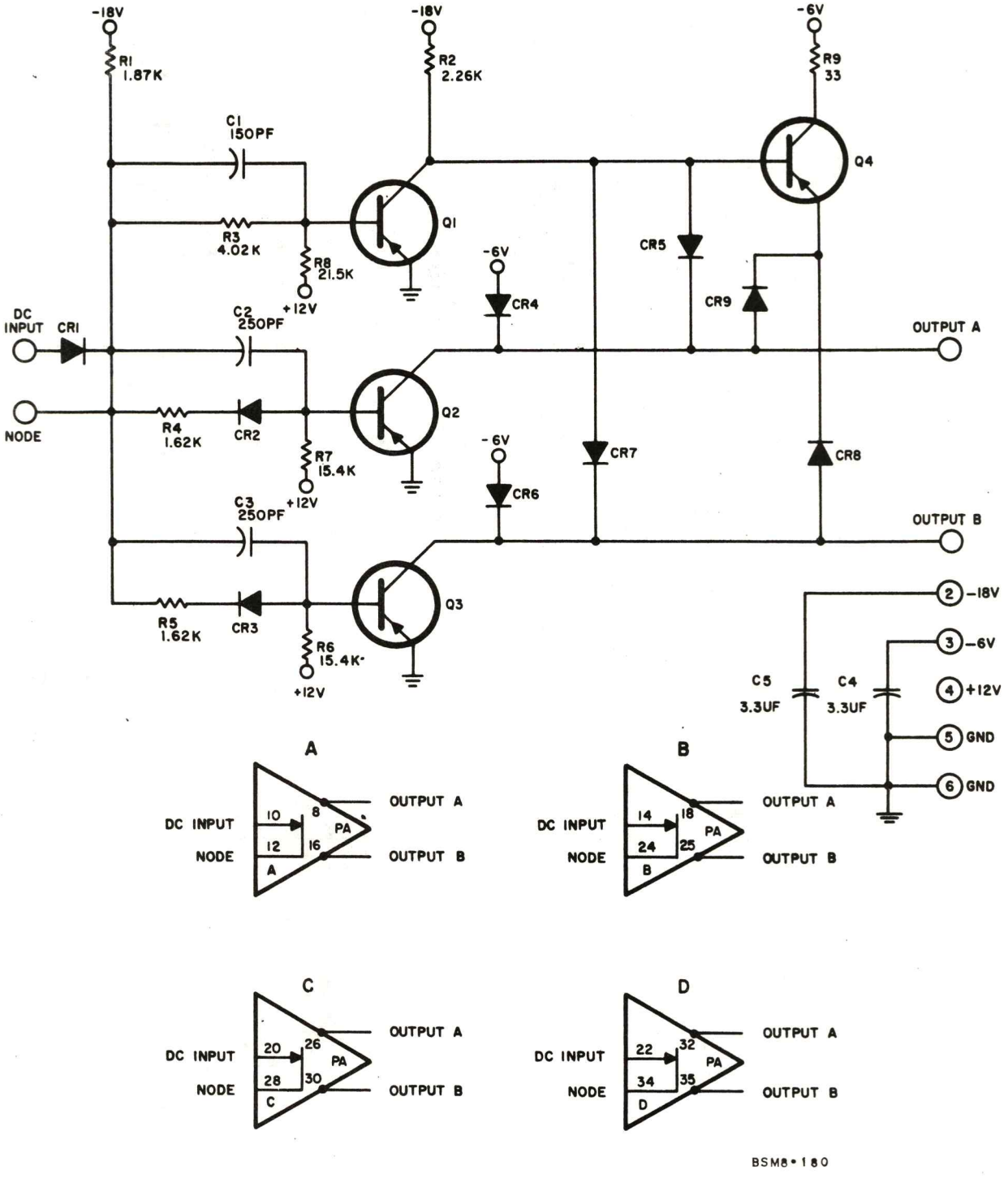


Figure 8-180. PA-30

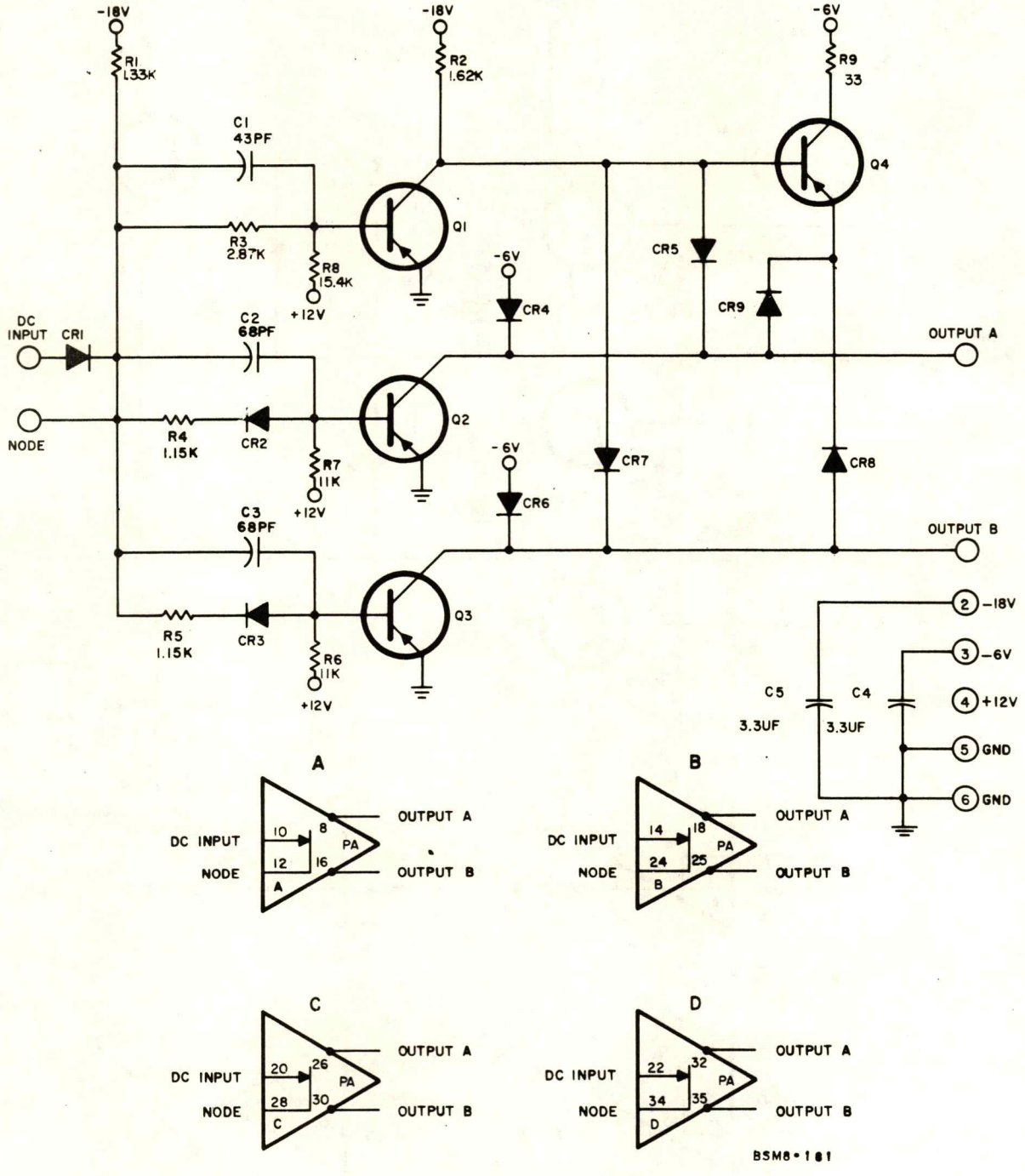


Figure 8-181. PA-35

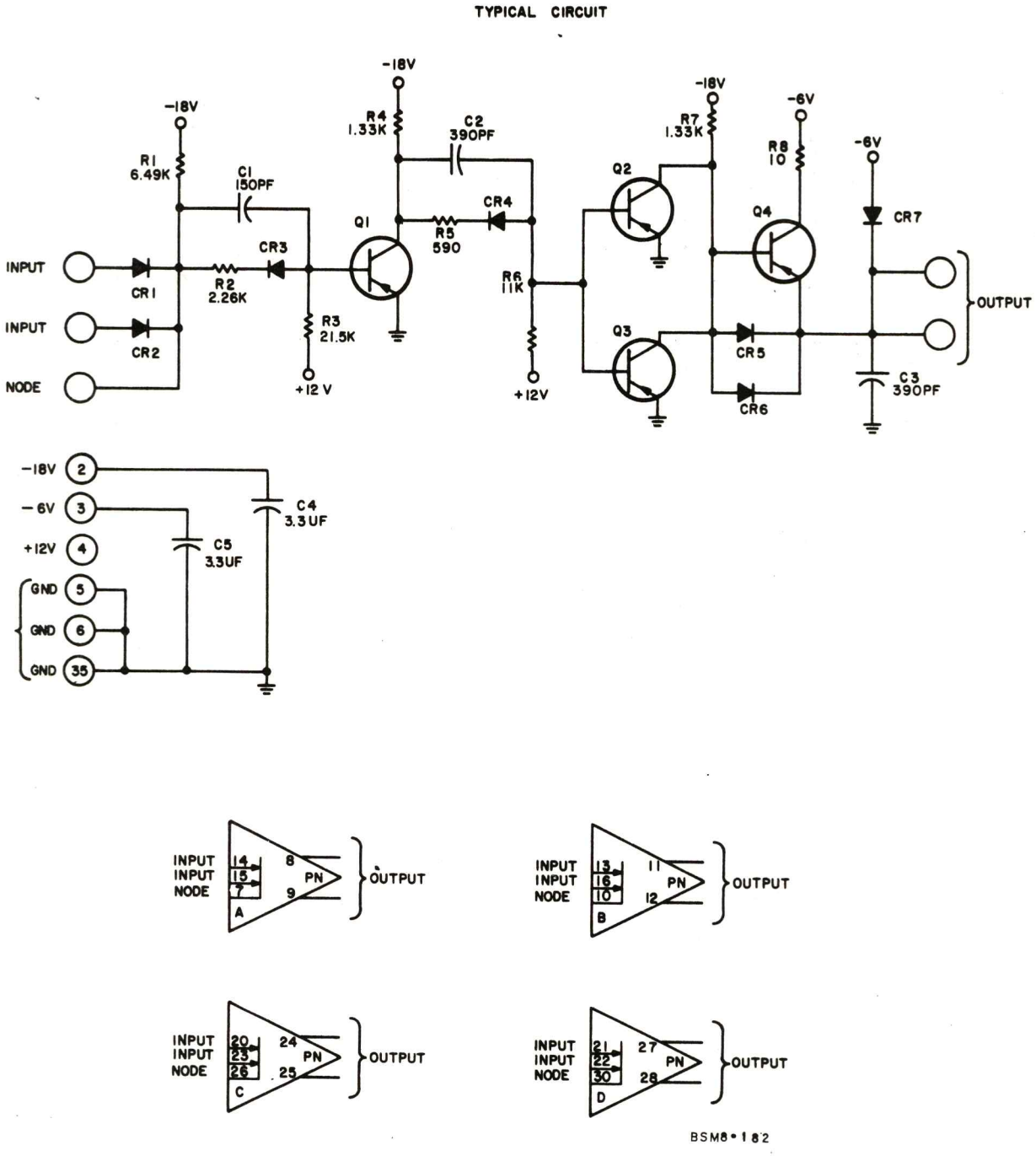


Figure 8-182. PN-30

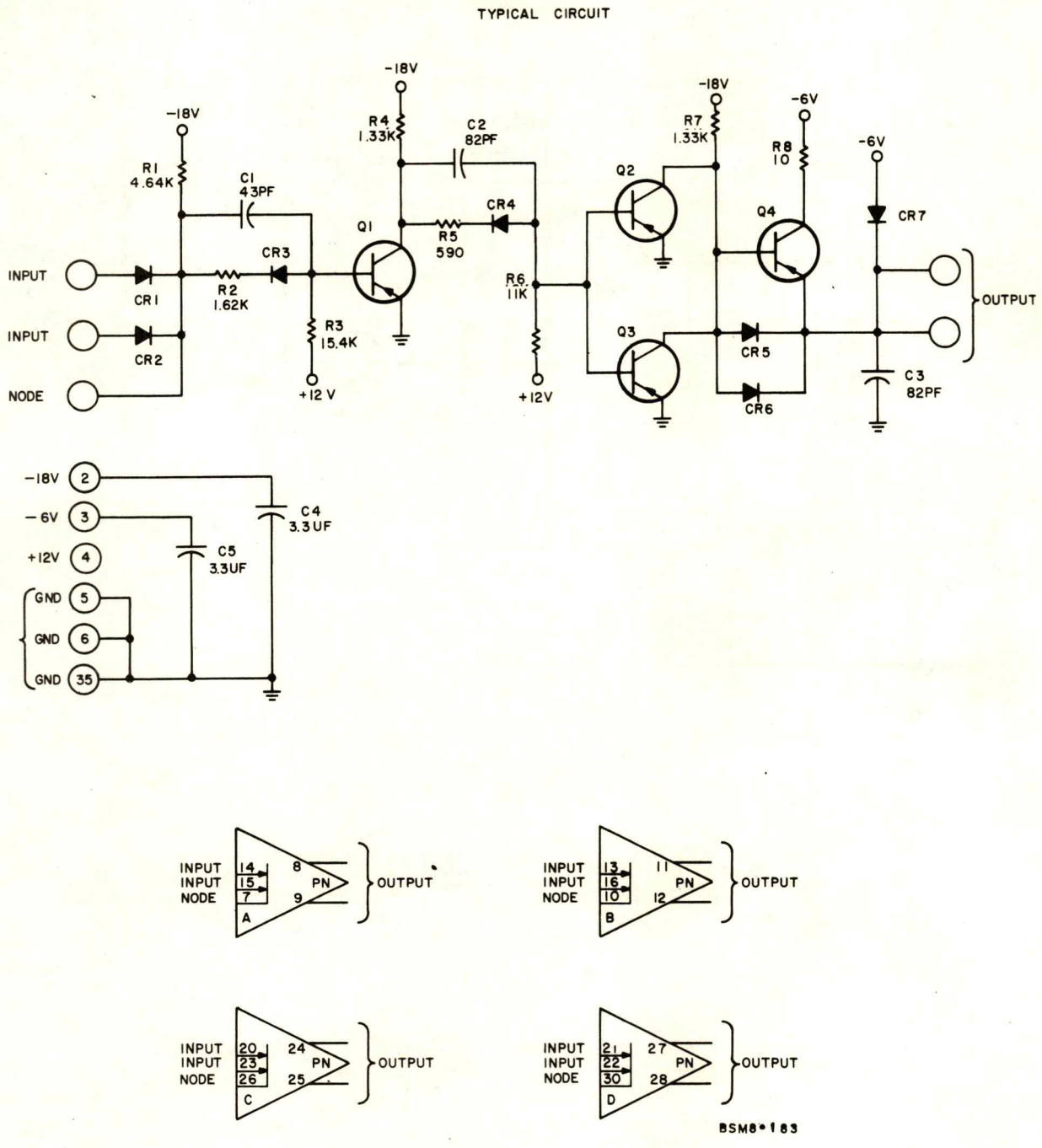


Figure 8-183. PN-35

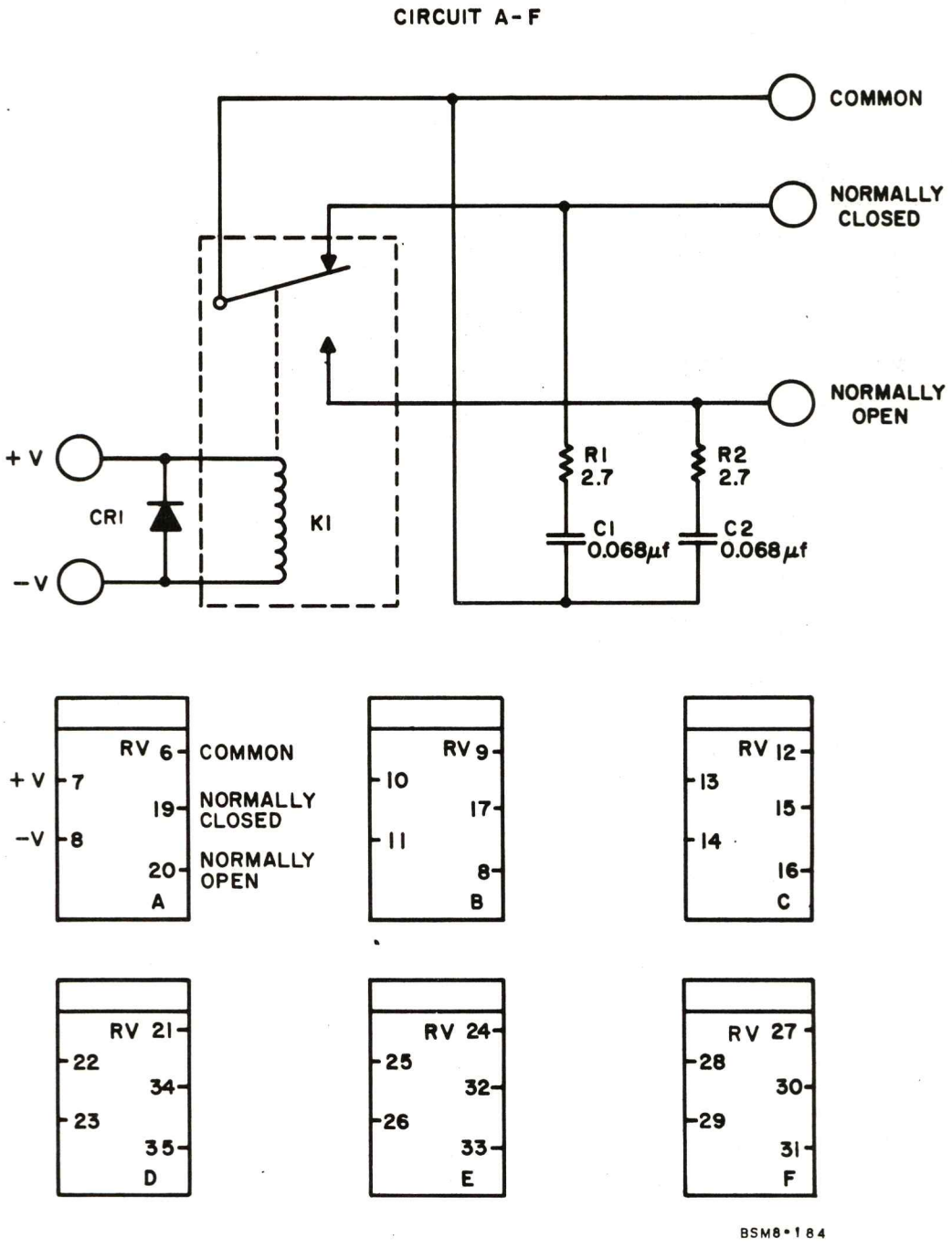
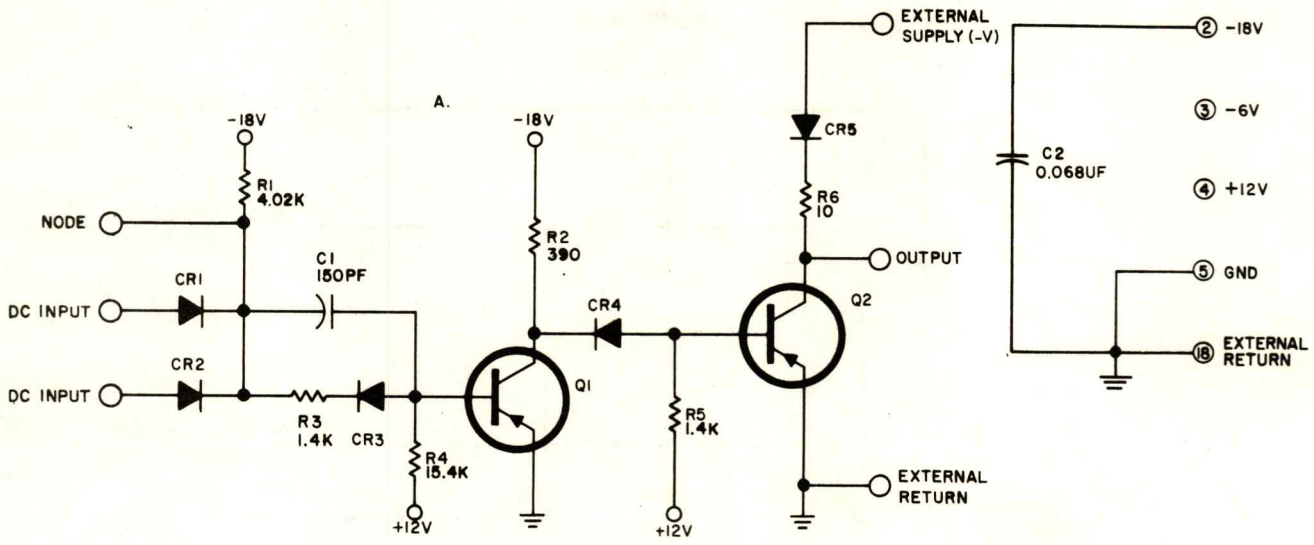
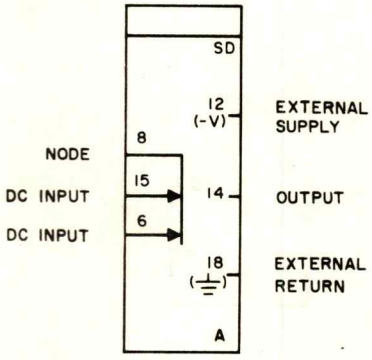
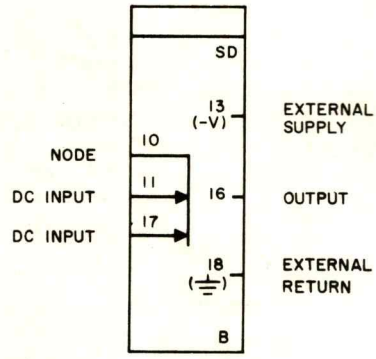
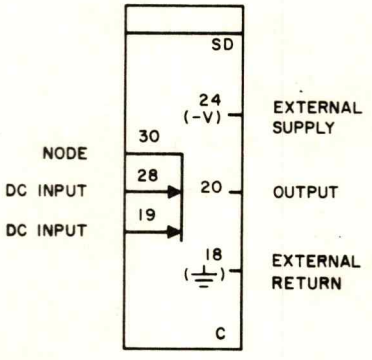


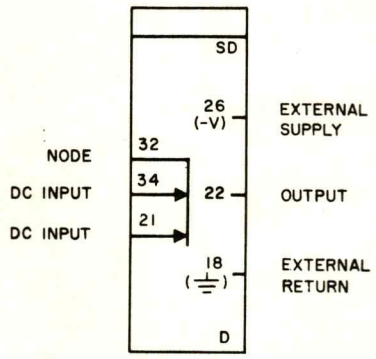
Figure 8-184. RV-30











BSM8-185

Figure 8-185. SD-30

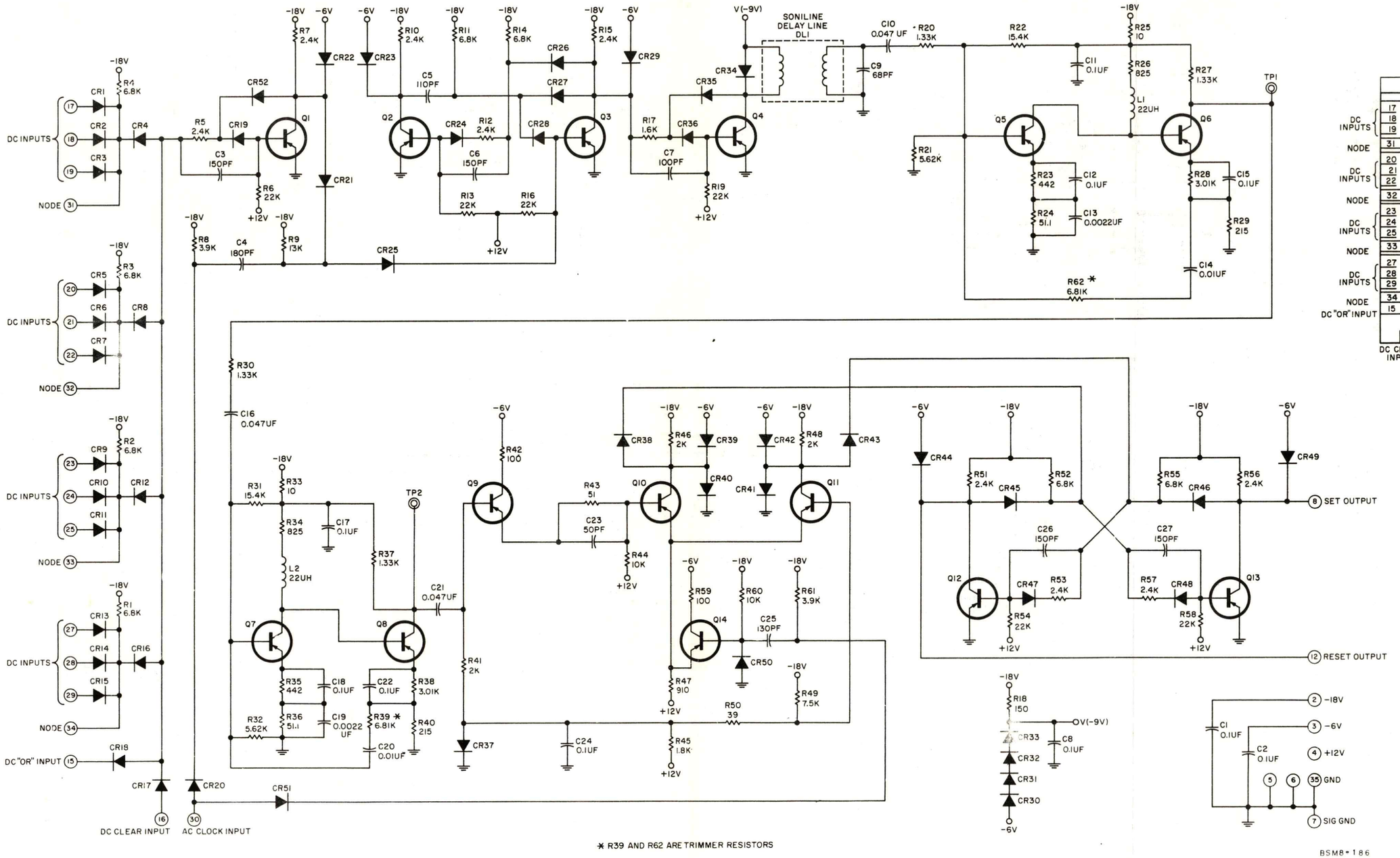


Figure 8-186. SM-30

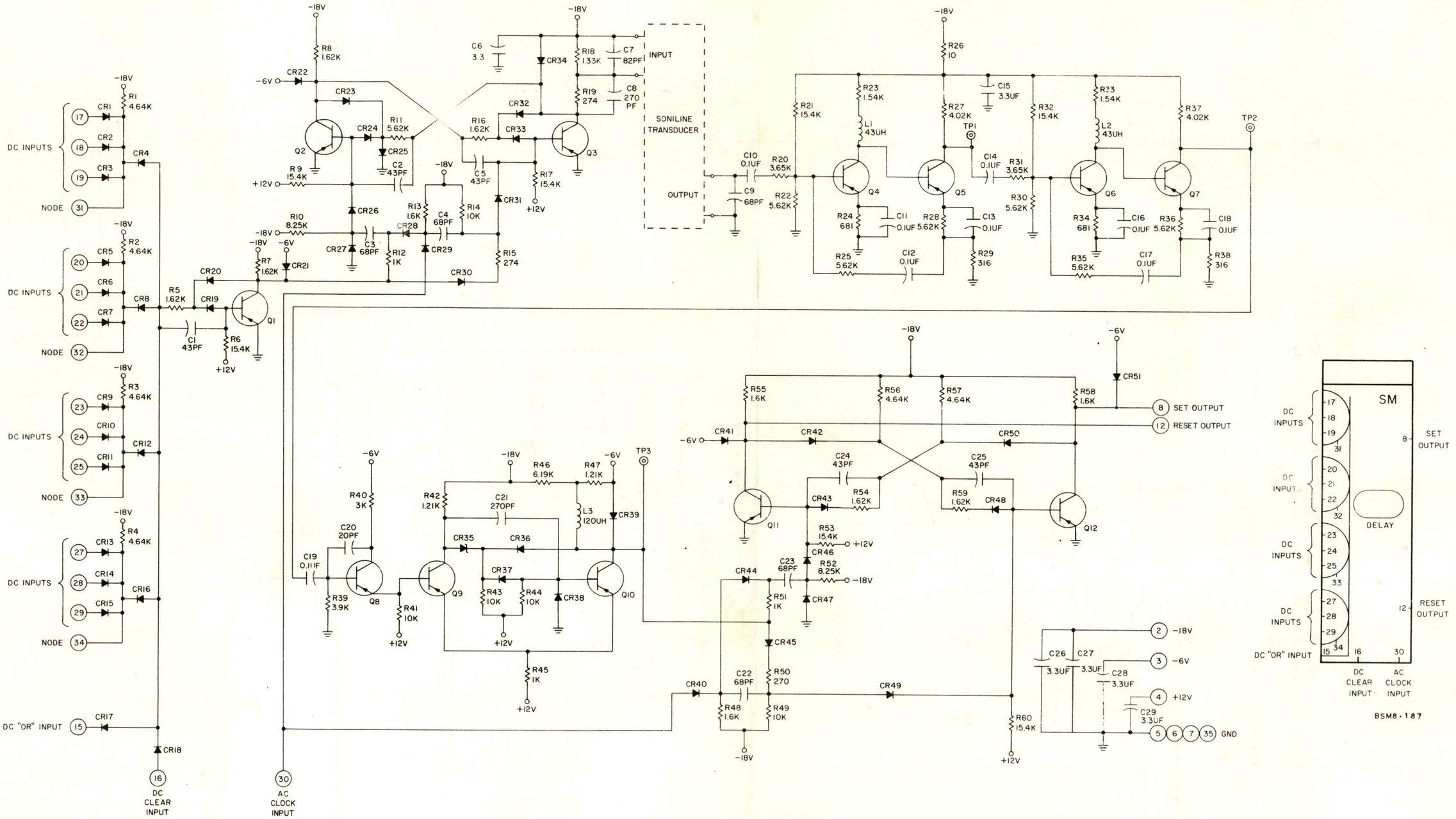


Figure 8-187. SM-32

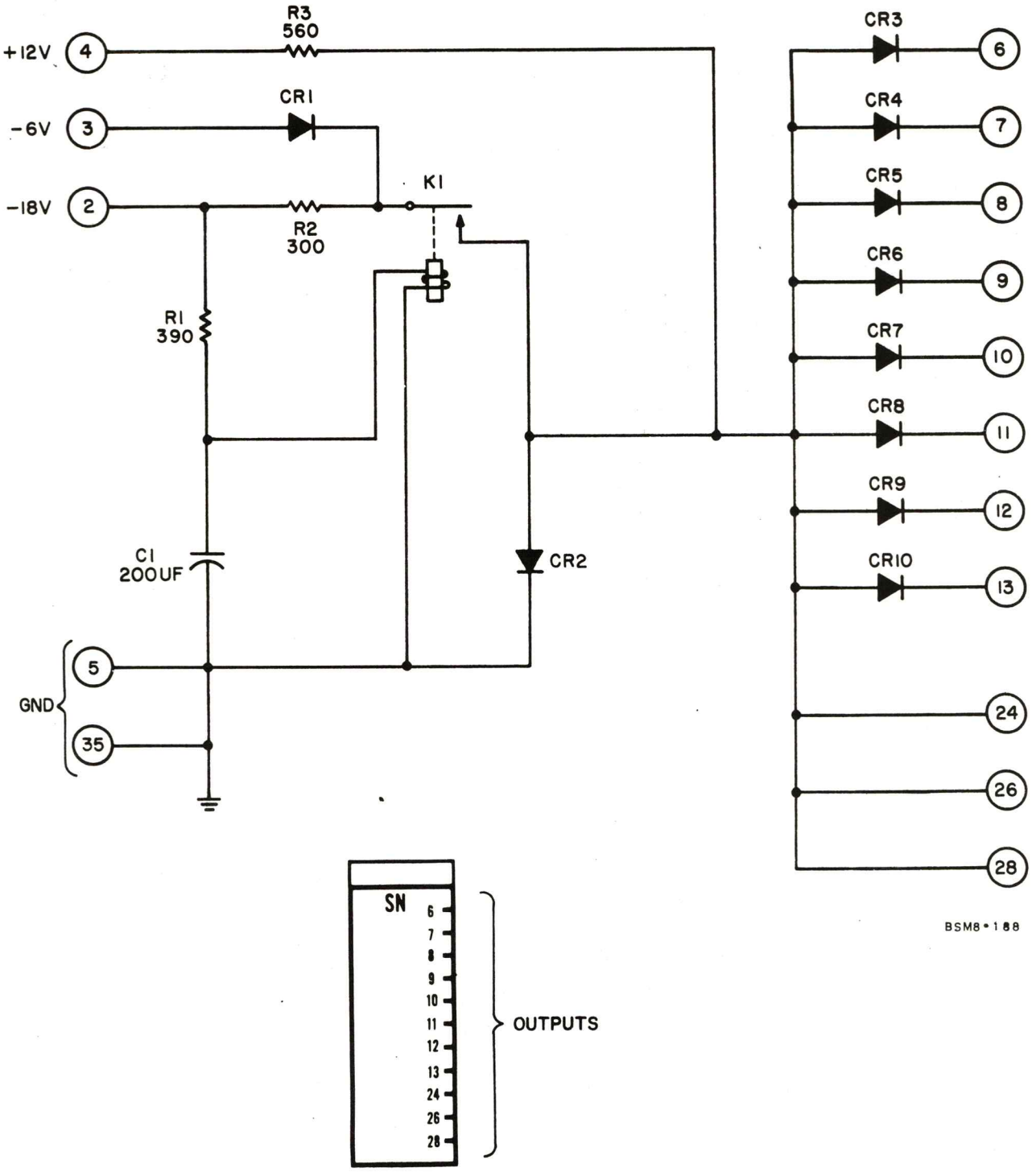
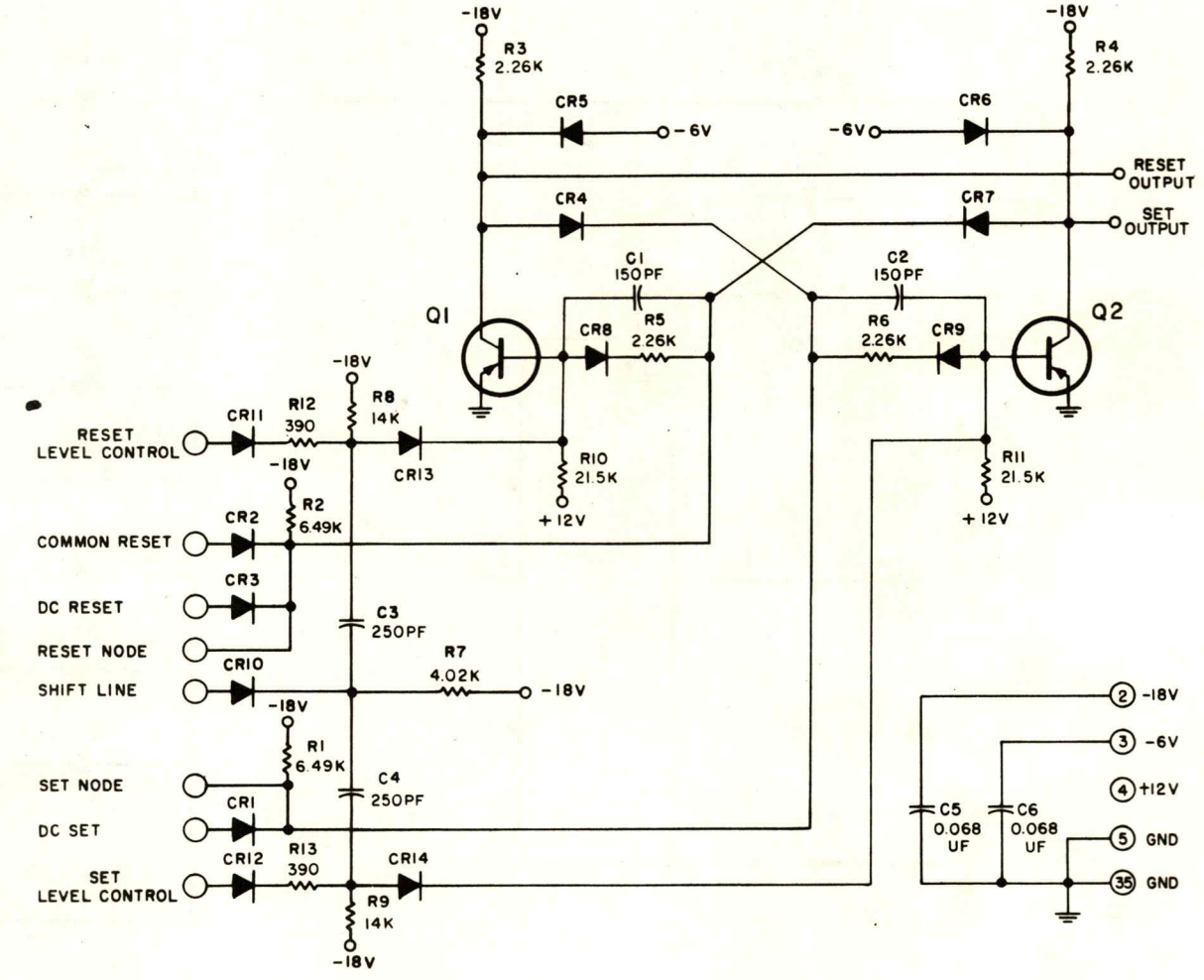


Figure 8-188. SN-30



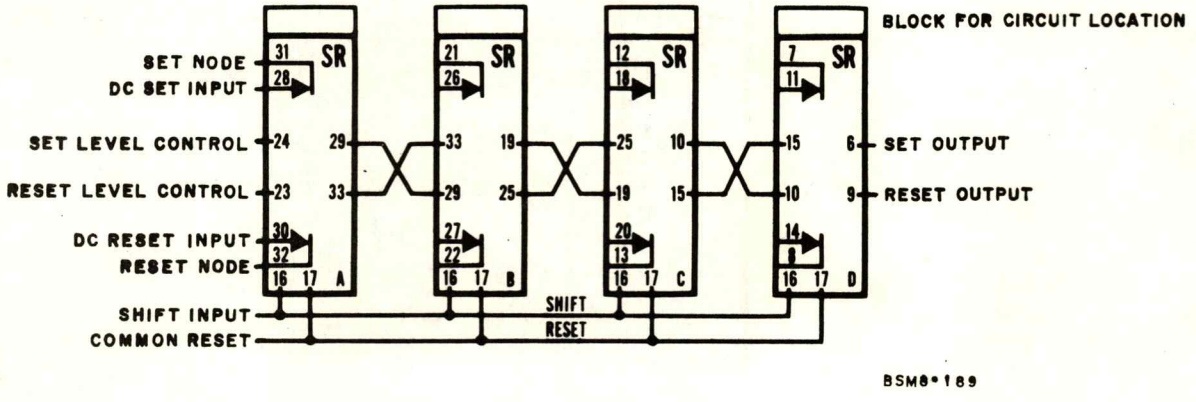


Figure 8-189. SR-30

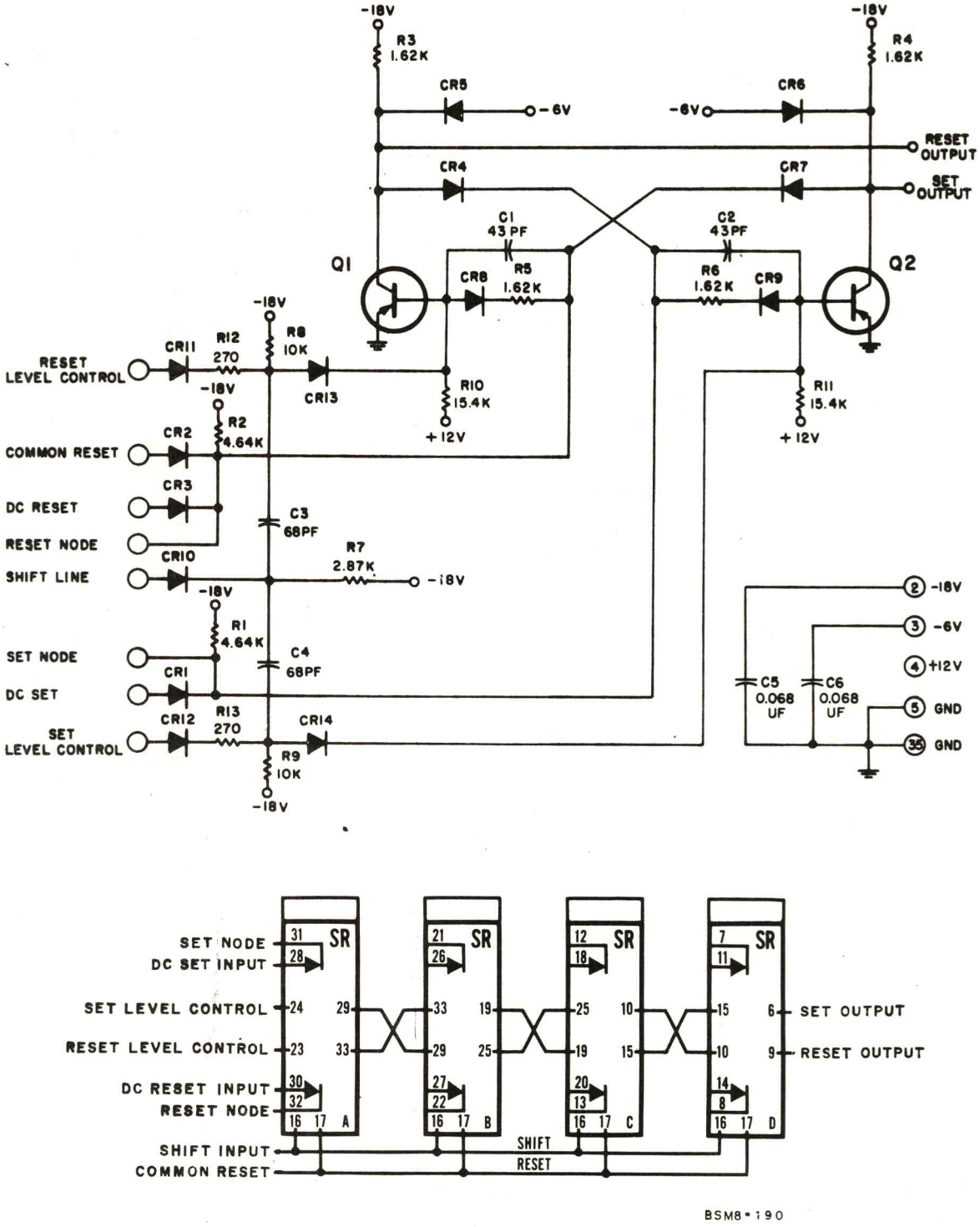


Figure 8-190. SR-35

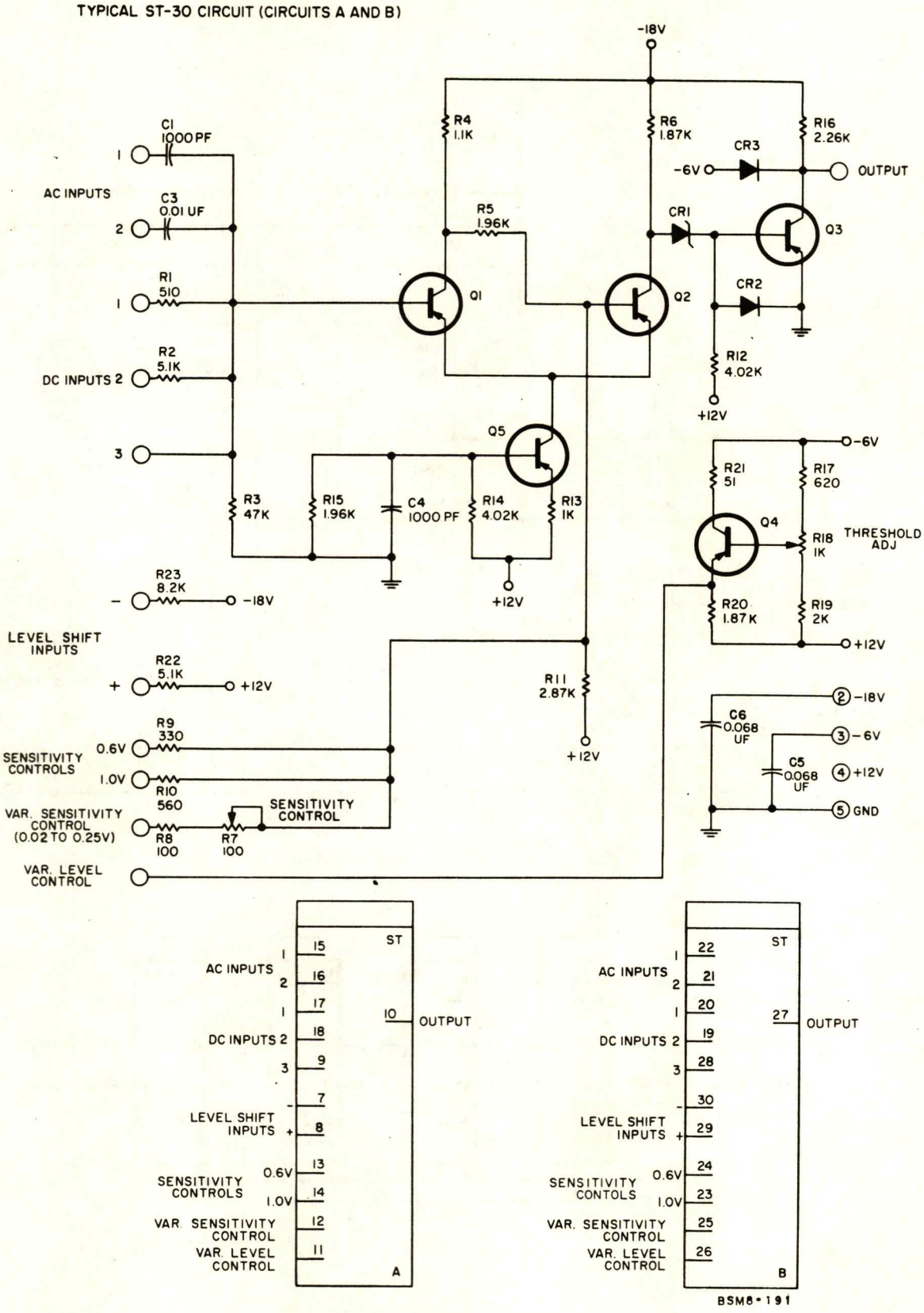


Figure 8-191. ST-30

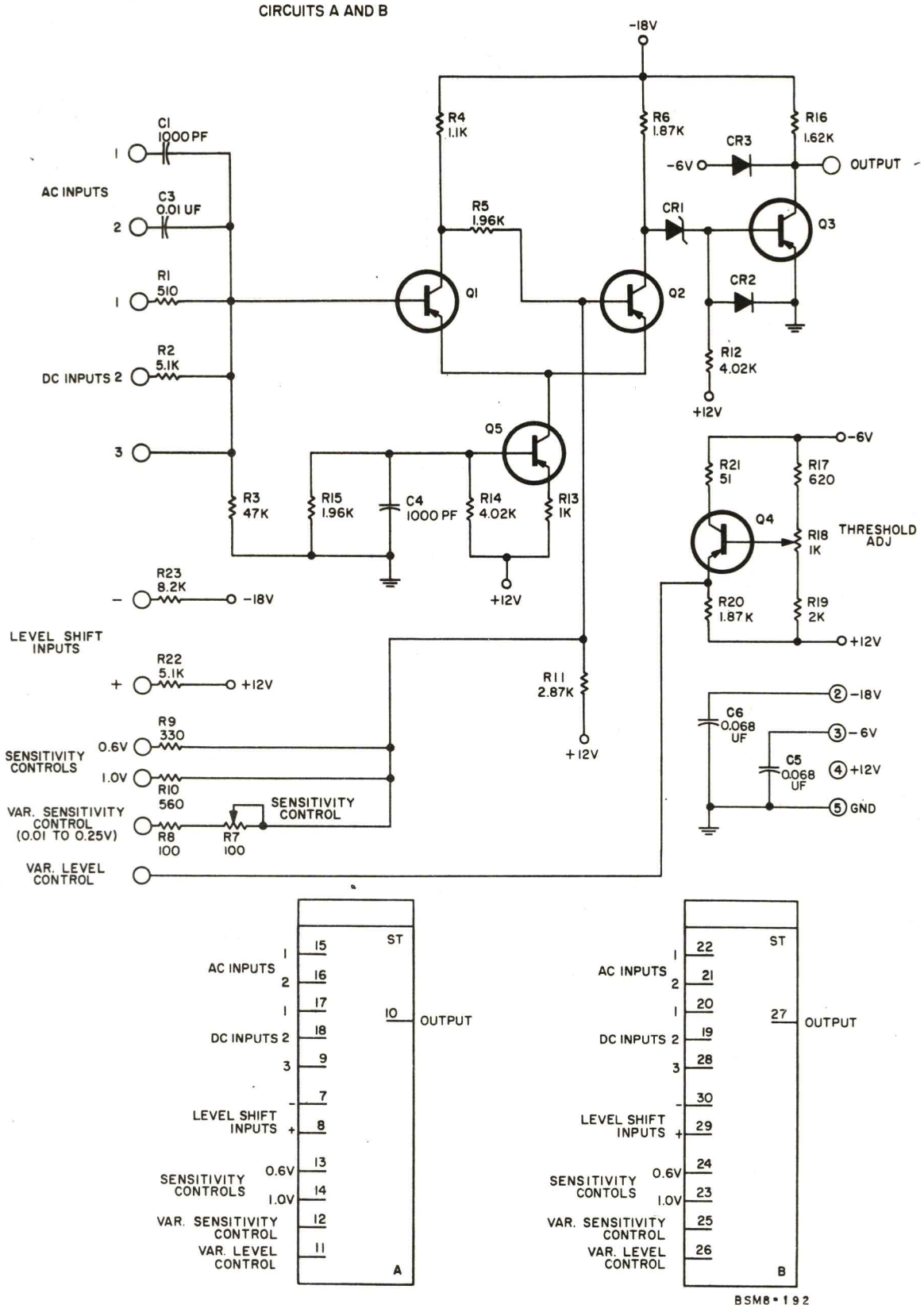


Figure 8-192. ST-35

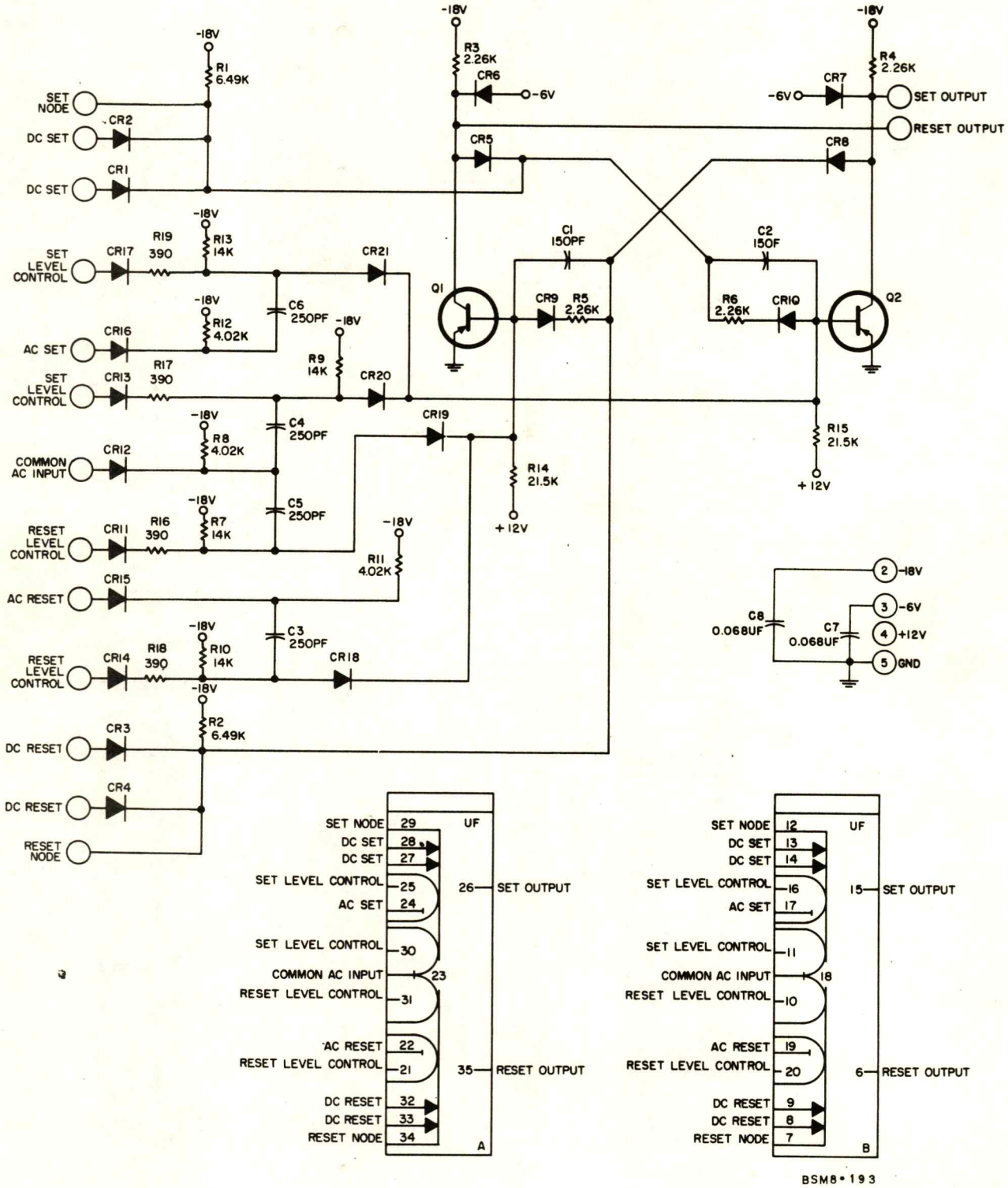


Figure 8-193. UF-30

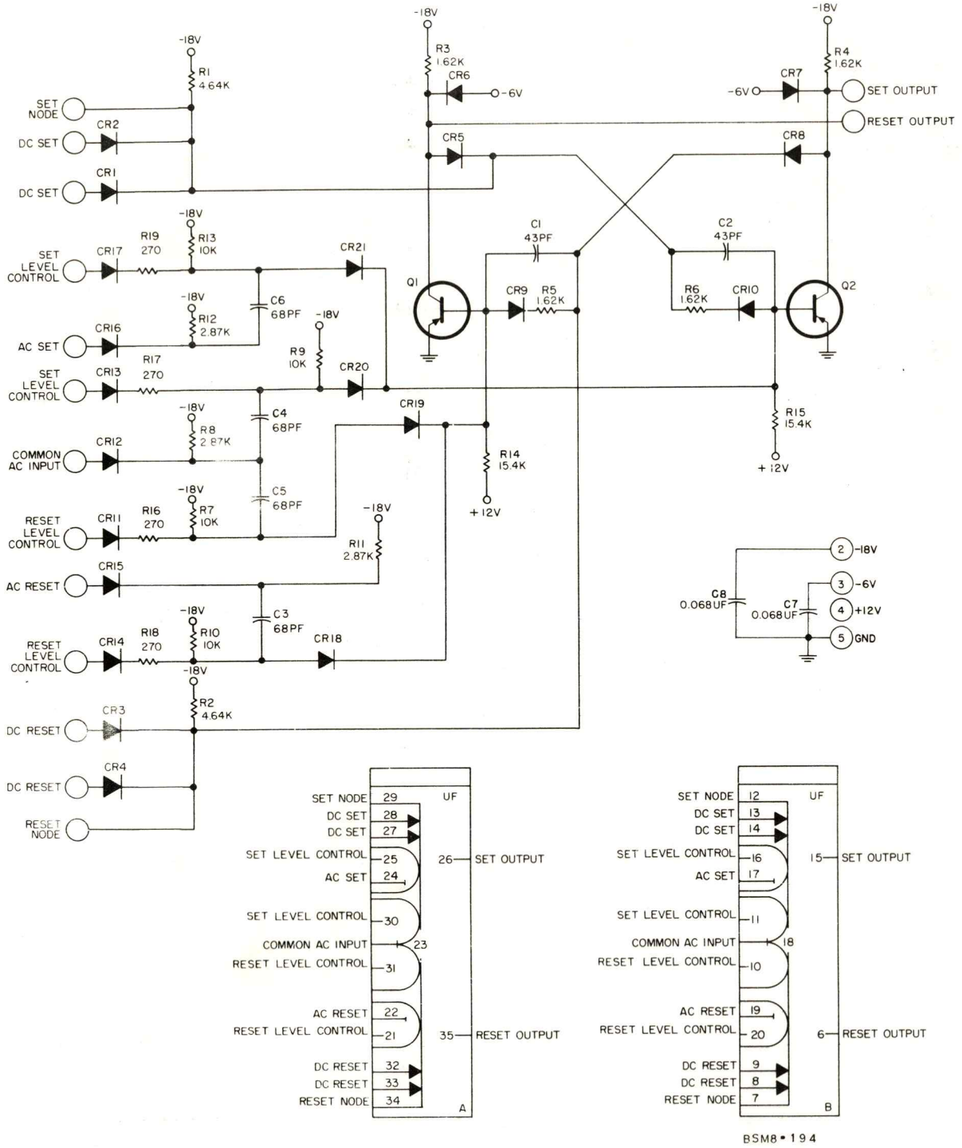
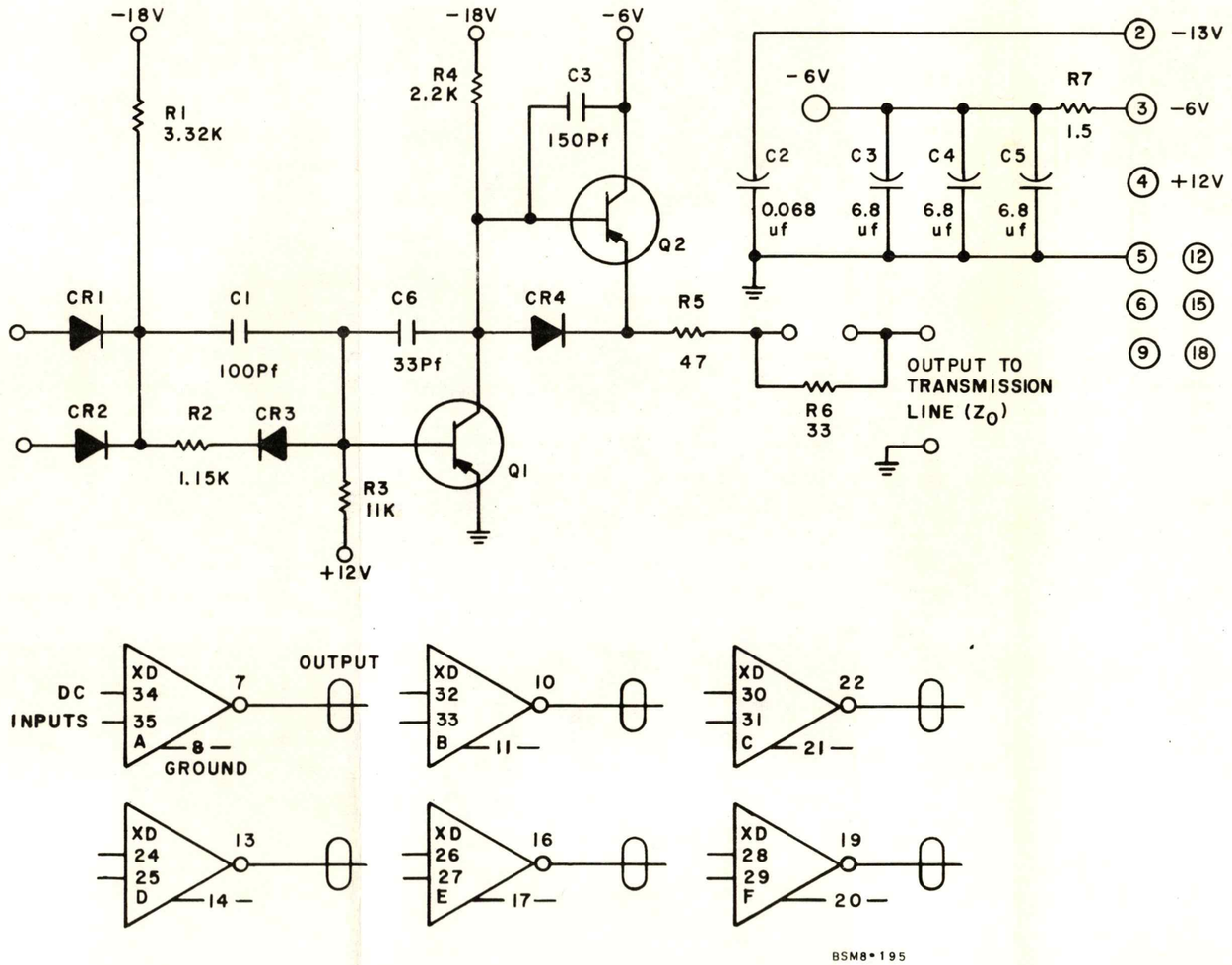


Figure 8-194. UF-35



XD – 30

Figure 8-195. XD-30

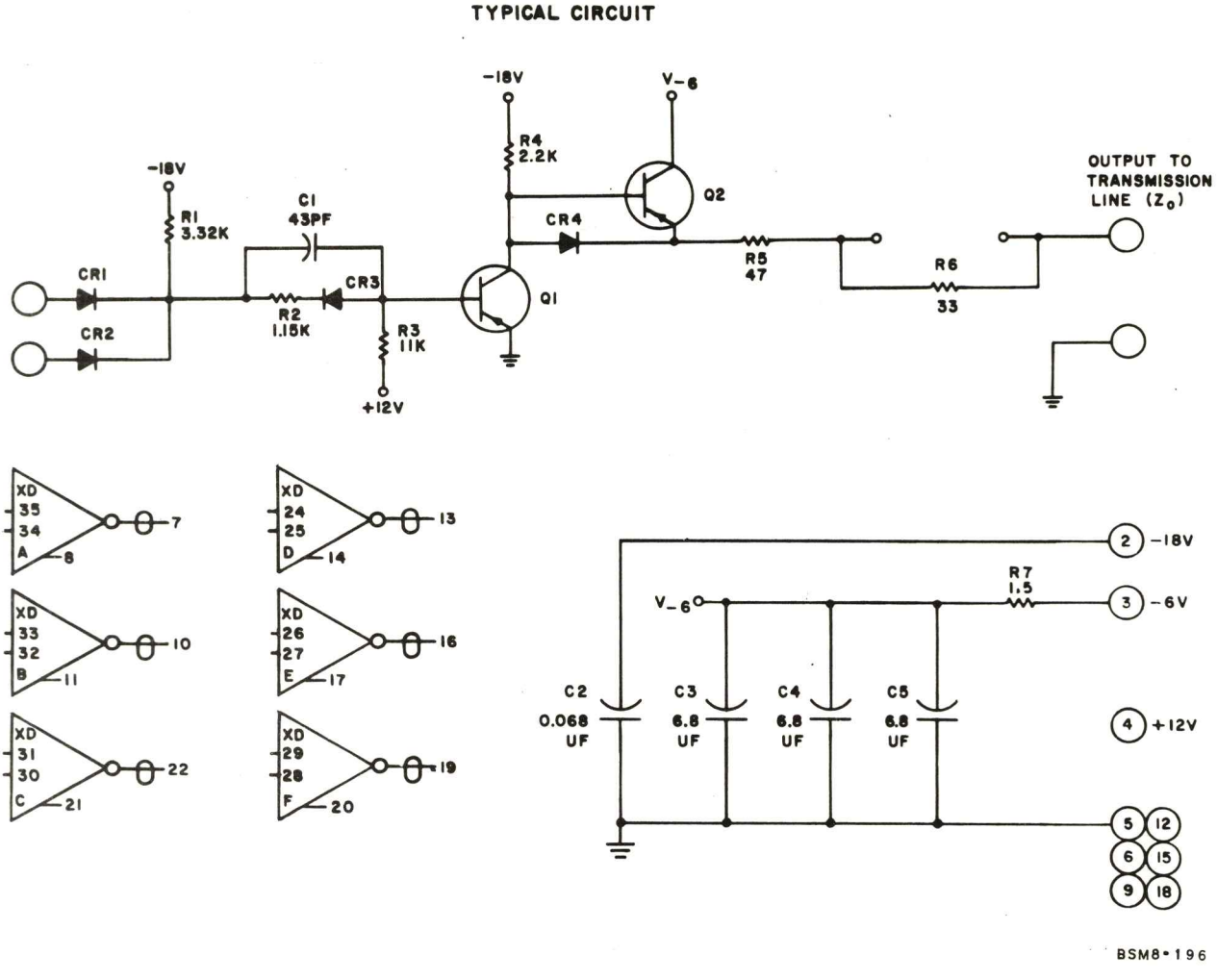


Figure 8-196. XD-35

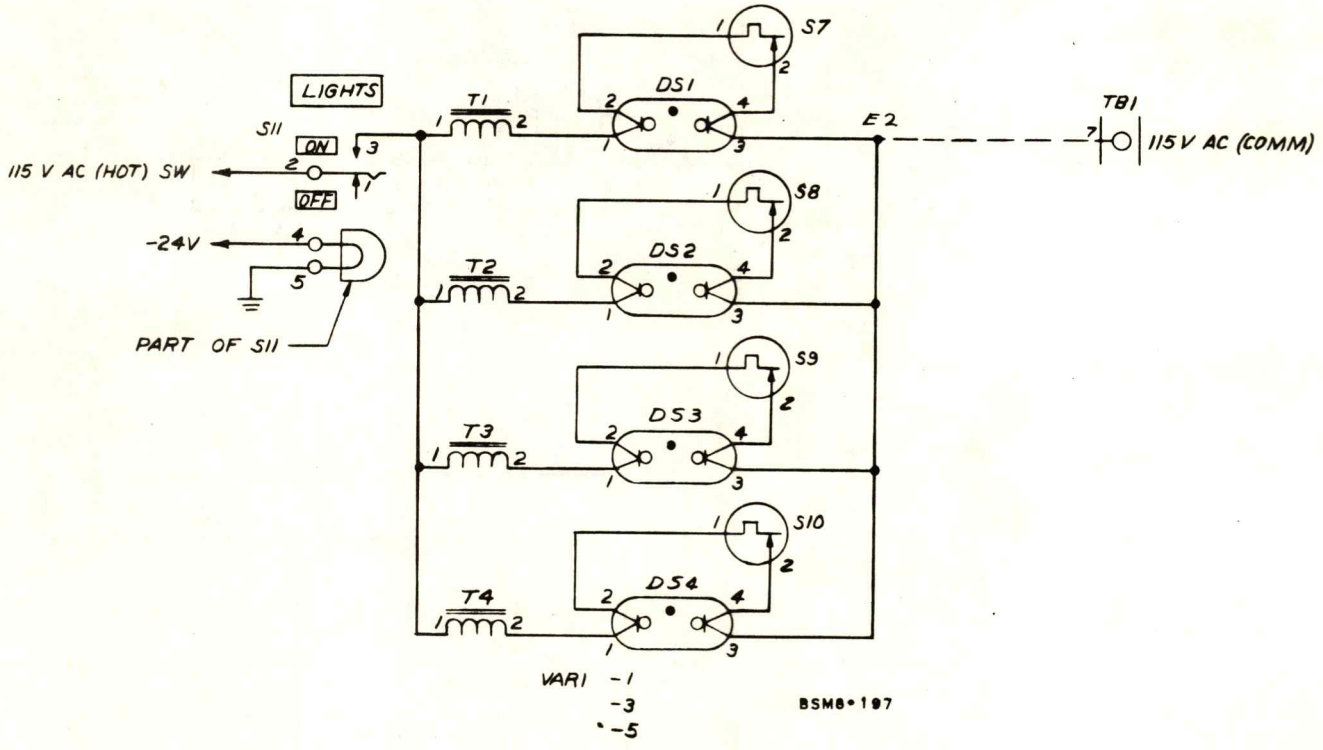


Figure 8-197. EAI 1110 Plotting Board Back Light

NOTES:
1. ALL SHIELDS ARE AT GROUND POTENTIAL.
2.
3. ALL CIRCUITRY NOT ENCLOSED IN A DOTTED OUTLINE IS PART OF THE 99.638 PLOTTING BOARD.

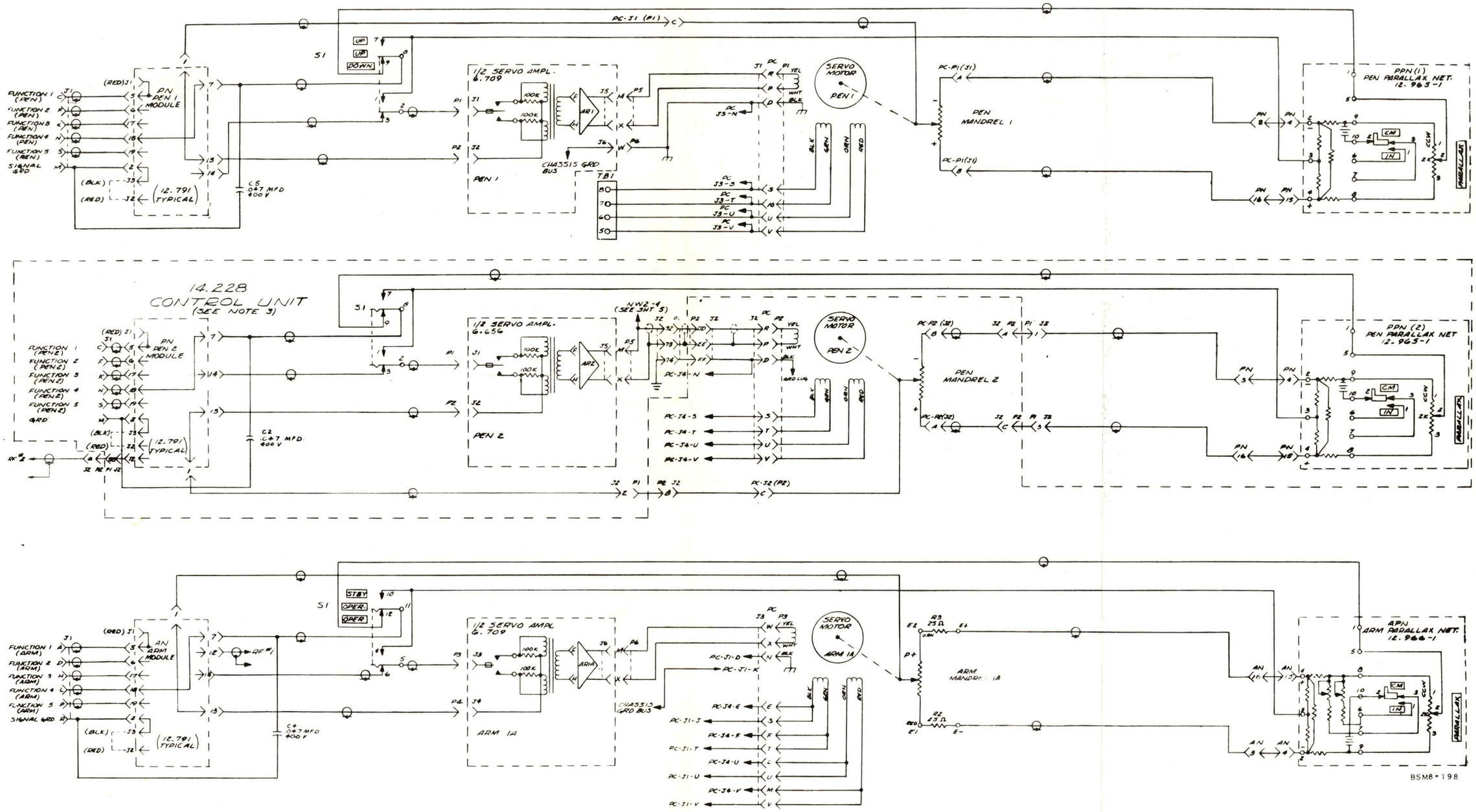


Figure 8-198. EAI 1110 Plotting Board System (XYY)

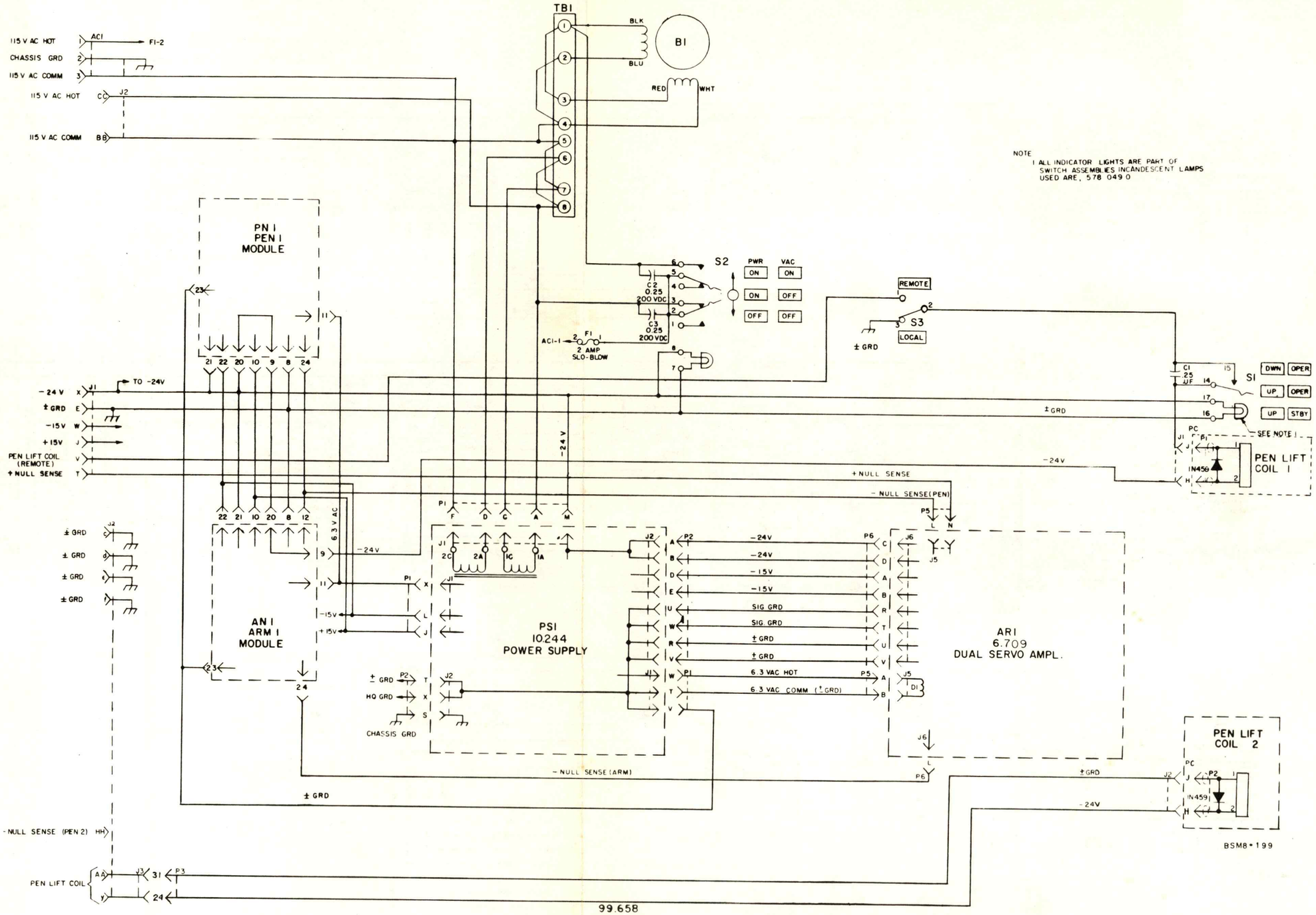


Figure 8-199. EAI 1110 Plotting Board System (XYY)

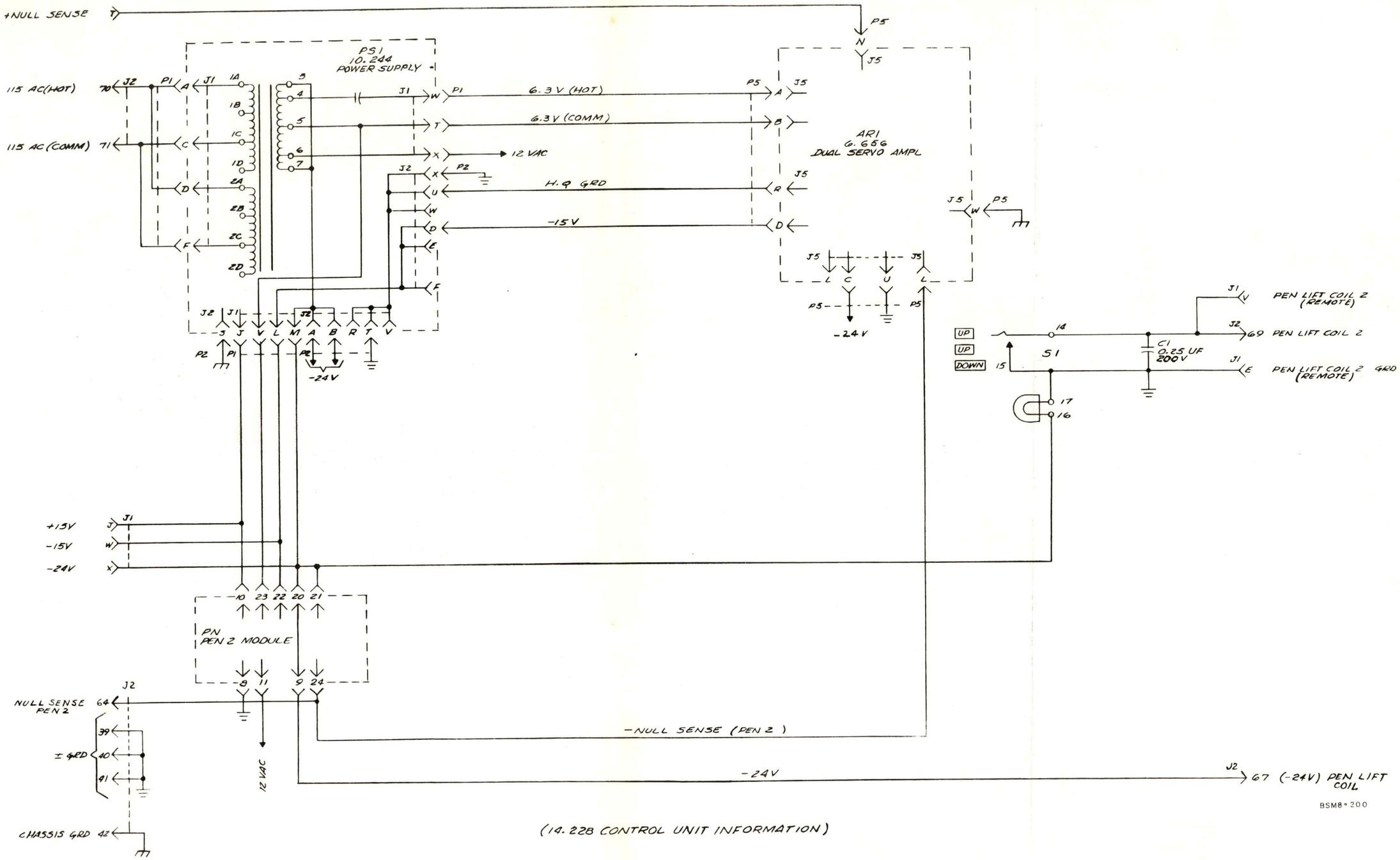


Figure 8-200. EAI 1110 Plotting Board System (XYY)

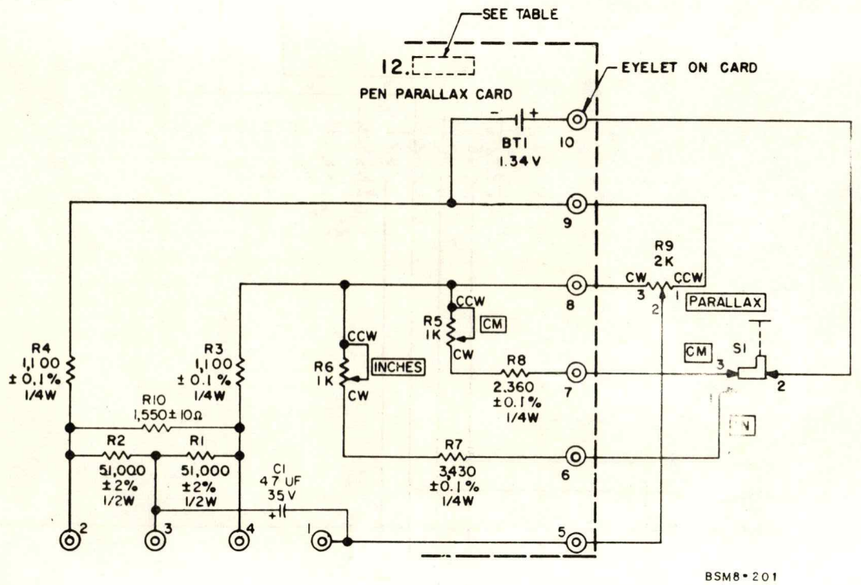


Figure 8-201. EAI 1110 Plotting Board Pen Parallax Net Wiring

NOTES:
1. UNLESS OTHERWISE SPECIFIED
   a. RESISTORS ARE ± 10 %, 1/2 W
   b. TRANSISTORS ARE 2N458 A
   c. DIODES ARE 614 192 0

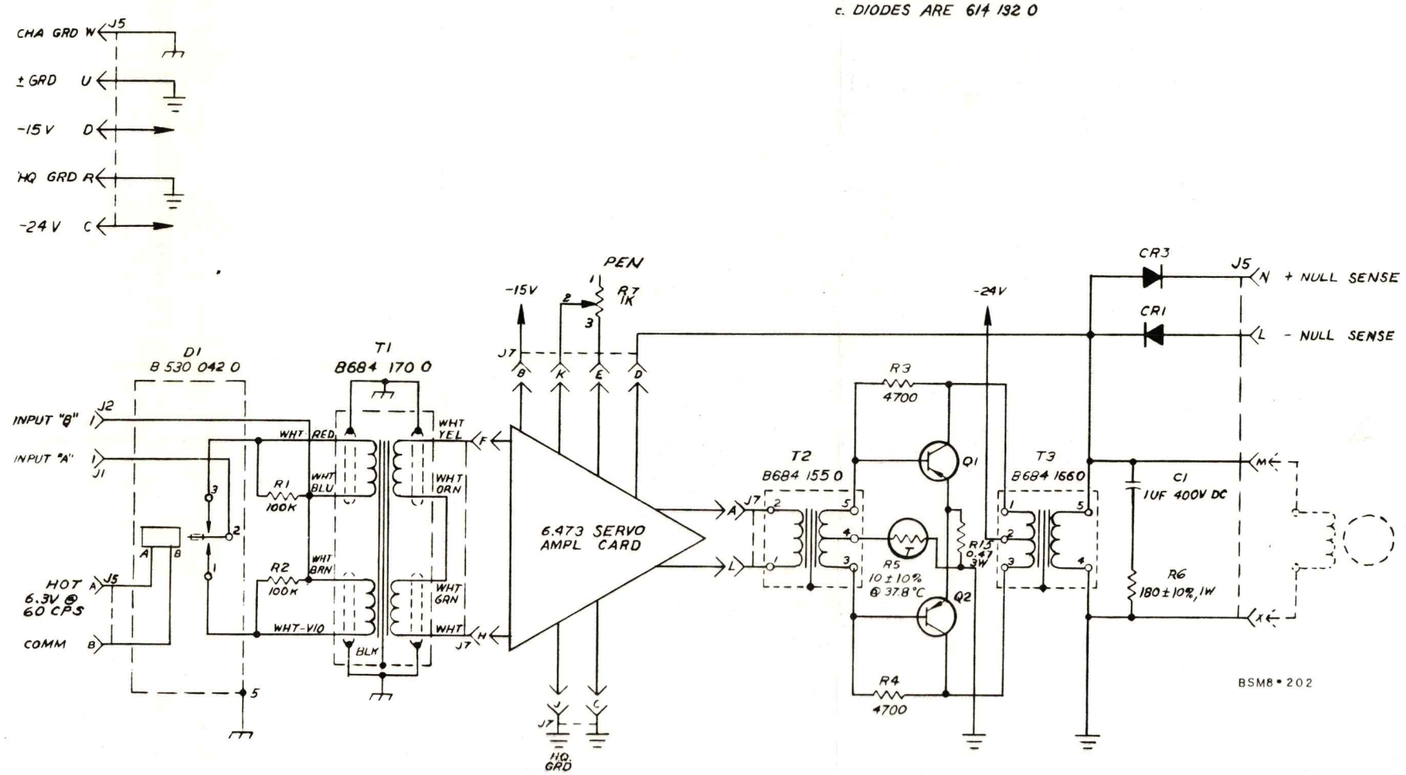
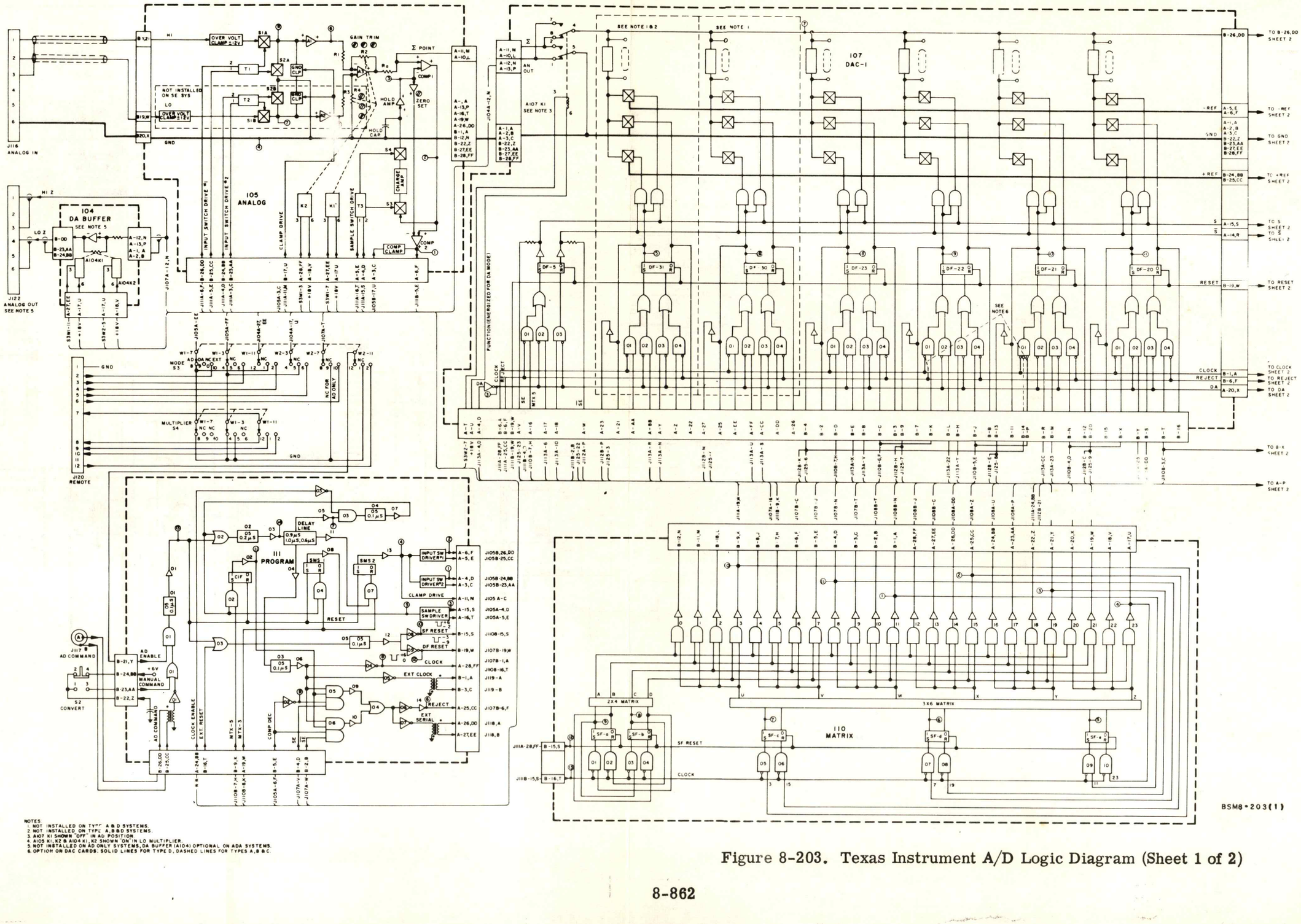


Figure 8-202. EAI 1110 Servo Amplifier



NOTES:
1. NOT INSTALLED ON TYPE A,B,D SYSTEMS.
2. NOT INSTALLED ON TYPE A,B&D SYSTEMS.
3. A107 K1 SHOWN "OFF" IN AD POSITION.
4. A105 K1, K2 & A104 K1, K2 SHOWN "ON" IN LO MULTIPLIER.
5. NOT INSTALLED ON AD ONLY SYSTEMS, DA BUFFER (A104) OPTIONAL ON ADA SYSTEMS.
6. OPTION OF DAC CARDS: SOLID LINES FOR TYPE D, DASHED LINES FOR TYPES A,B &C.

Figure 8-203. Texas Instrument A/D Logic Diagram (Sheet 1 of 2)

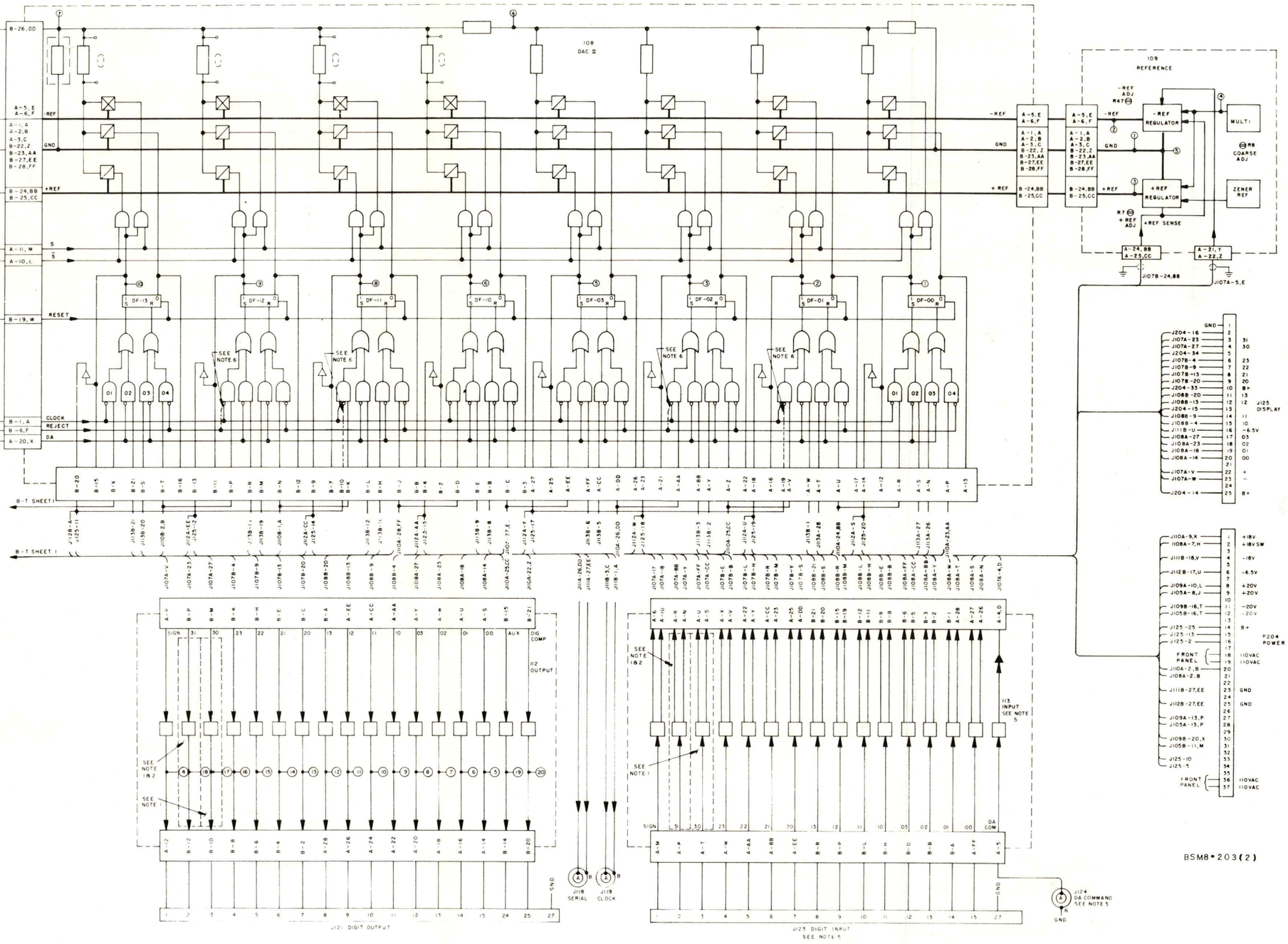
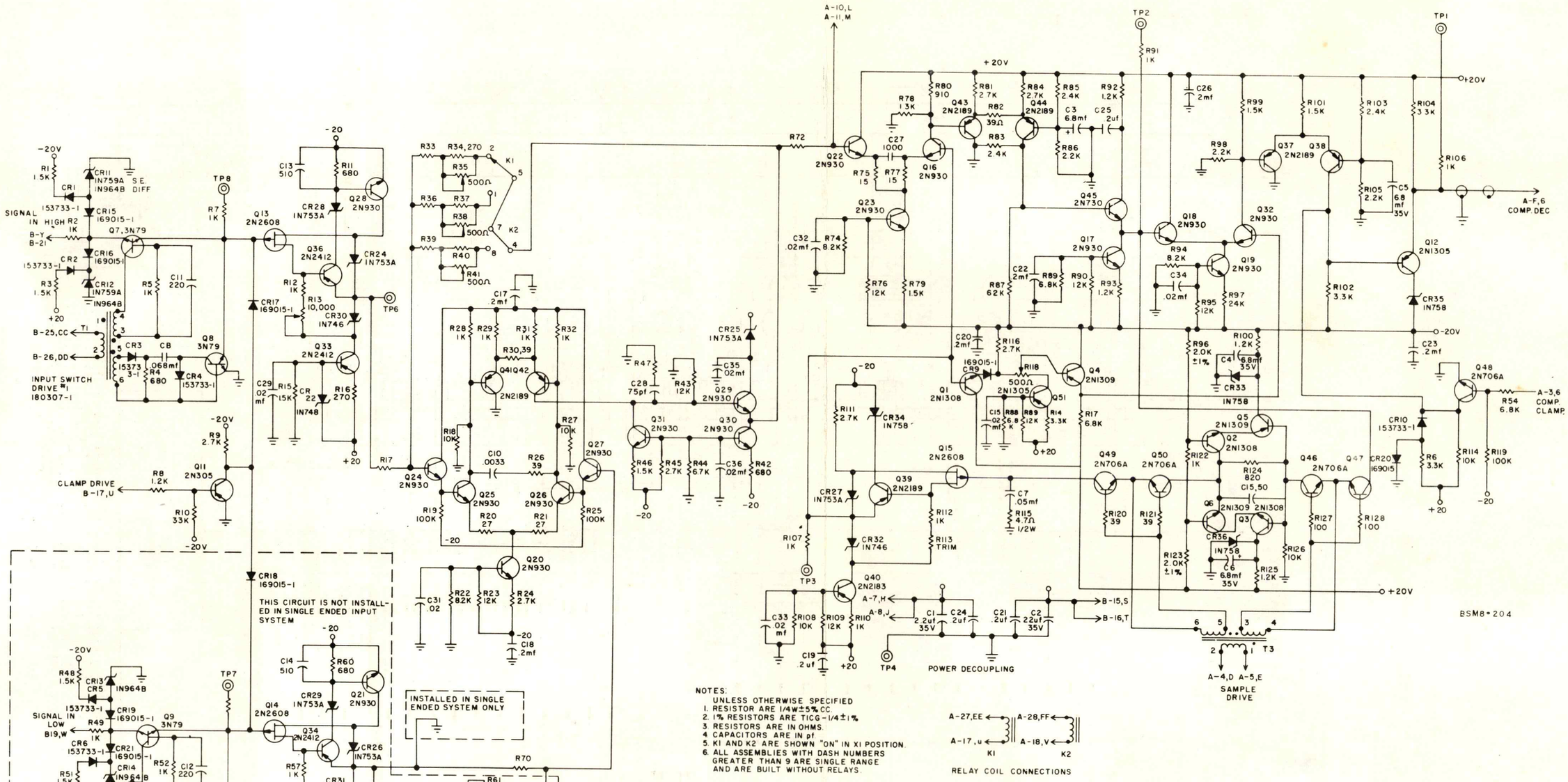
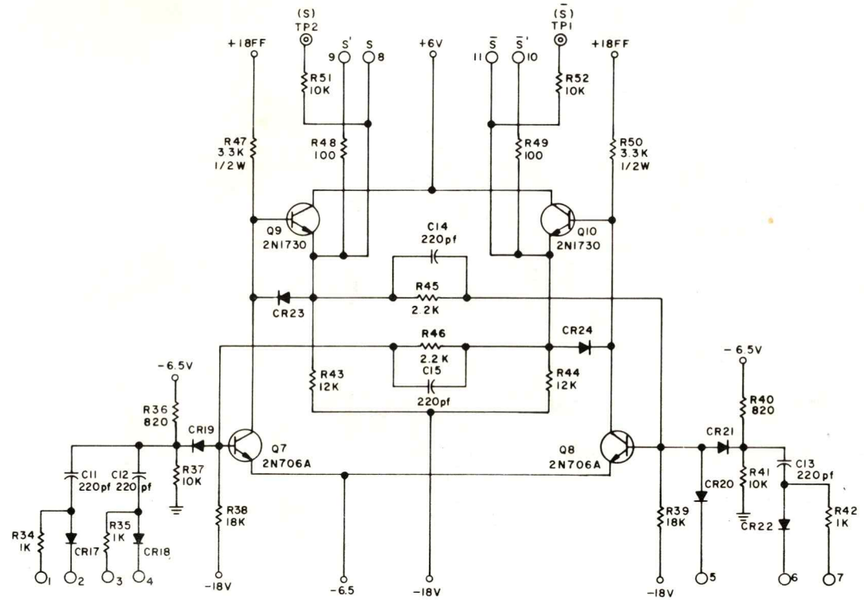


Figure 8-203. Texas Instrument A/D Logic Diagram (Sheet 2 of 2)

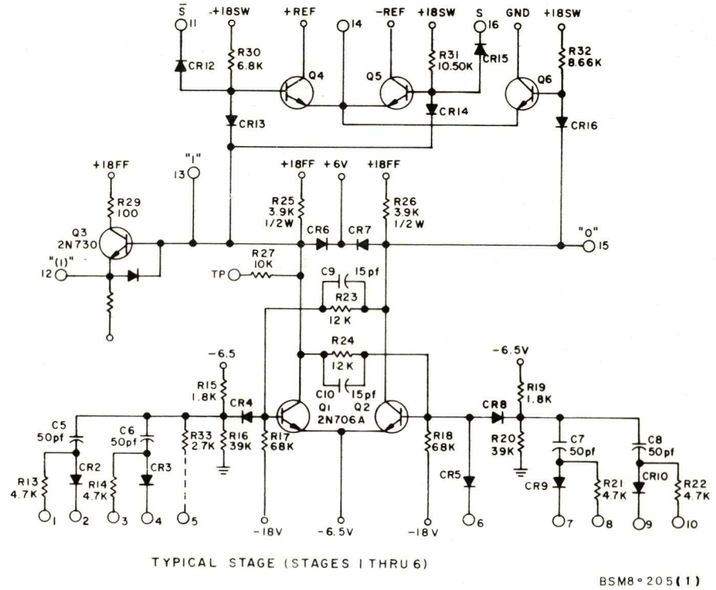


NOTES:
UNLESS OTHERWISE SPECIFIED
1. RESISTOR ARE 1/4W±5% CC.
2. 1% RESISTORS ARE TICG-1/4±1%
3. RESISTORS ARE IN OHMS.
4. CAPACITORS ARE IN pf
5. K1 AND K2 ARE SHOWN "ON" IN X1 POSITION.
6. ALL ASSEMBLIES WITH DASH NUMBERS GREATER THAN 9 ARE SINGLE RANGE AND ARE BUILT WITHOUT RELAYS.

Figure 8-204. Texas Instrument Analog, Differential and Single Ended



SIGN STAGE



TYPICAL STAGE (STAGES I THRU 6)

BSM8-205(1)

Figure 8-205. Texas Instrument A/D DAC I (Sheet 1 of 2)

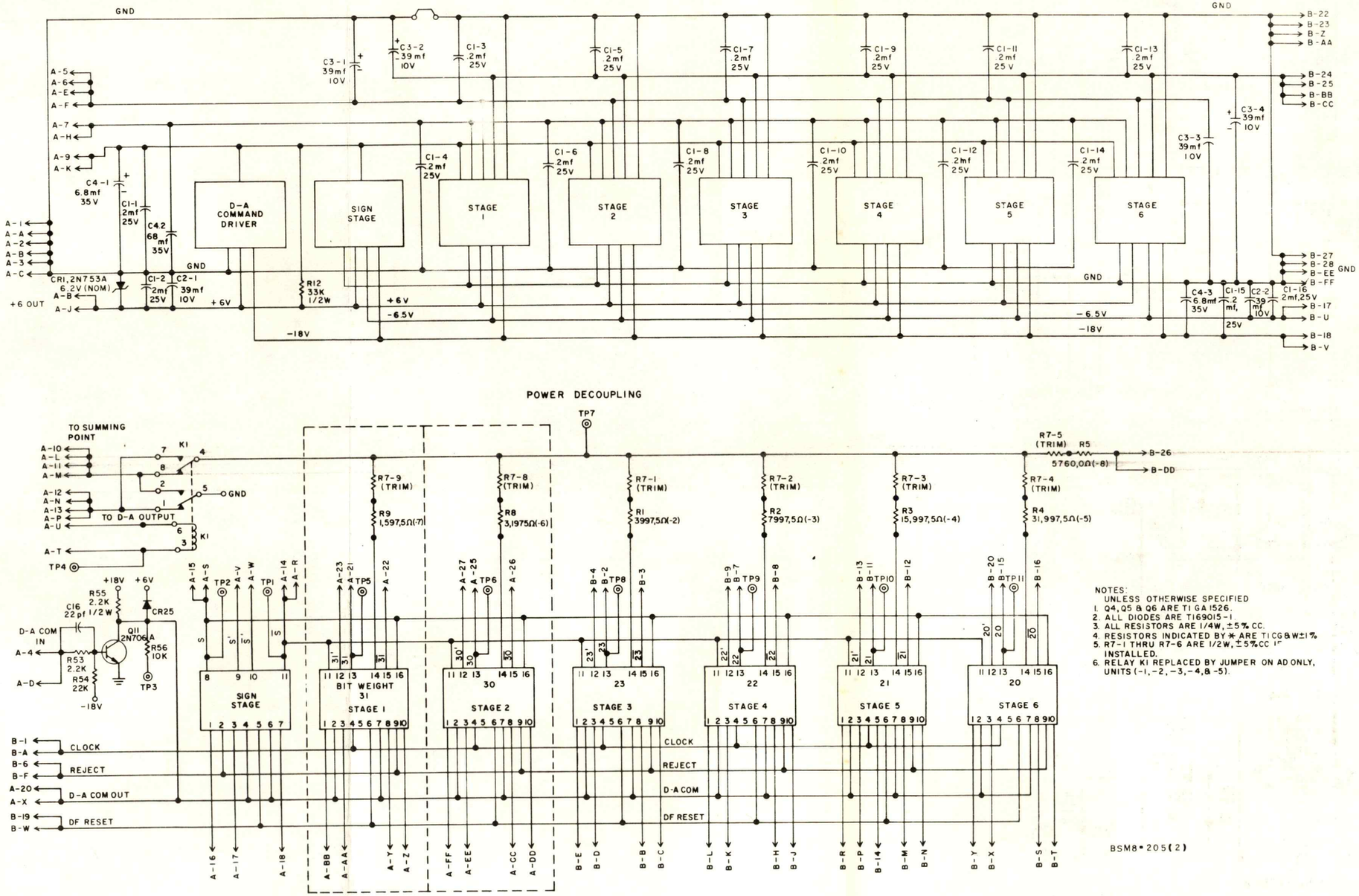
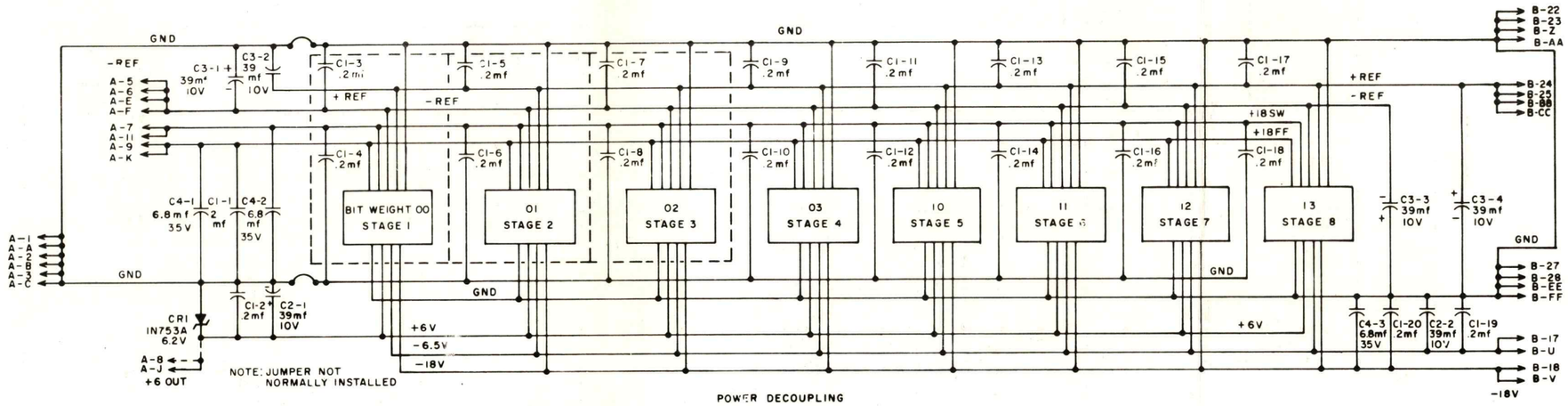
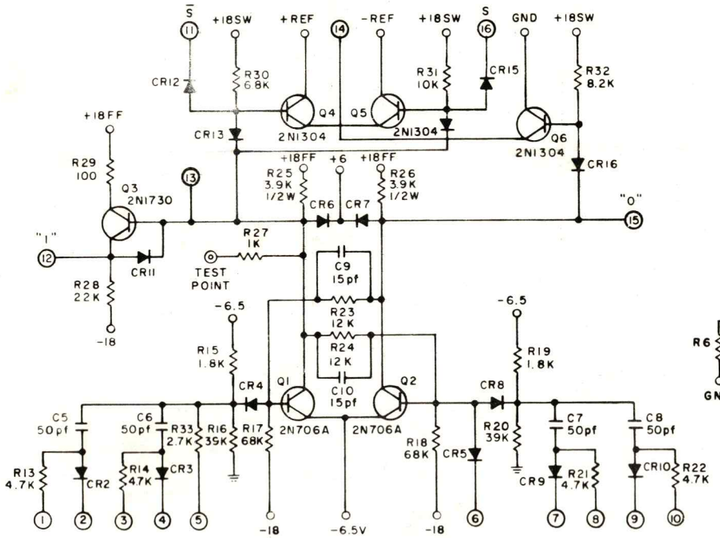


Figure 8-205. Texas Instrument A/D DAC I (Sheet 2 of 2)



POWER DECOUPLING

NOTES:
1. ALL DIODES ARE TI169015-1 UNLESS OTHERWISE SPECIFIED.
2. ALL RESISTORS ARE 1/4W, ±5% CC. UNLESS OTHERWISE SPECIFIED.
3. R7-7 THRU R7-10 ARE 1/2W ±5% CC INSTALLED. R30, R31 AND R32 ARE 1/2W ±5% CC.



TYPICAL STAGE

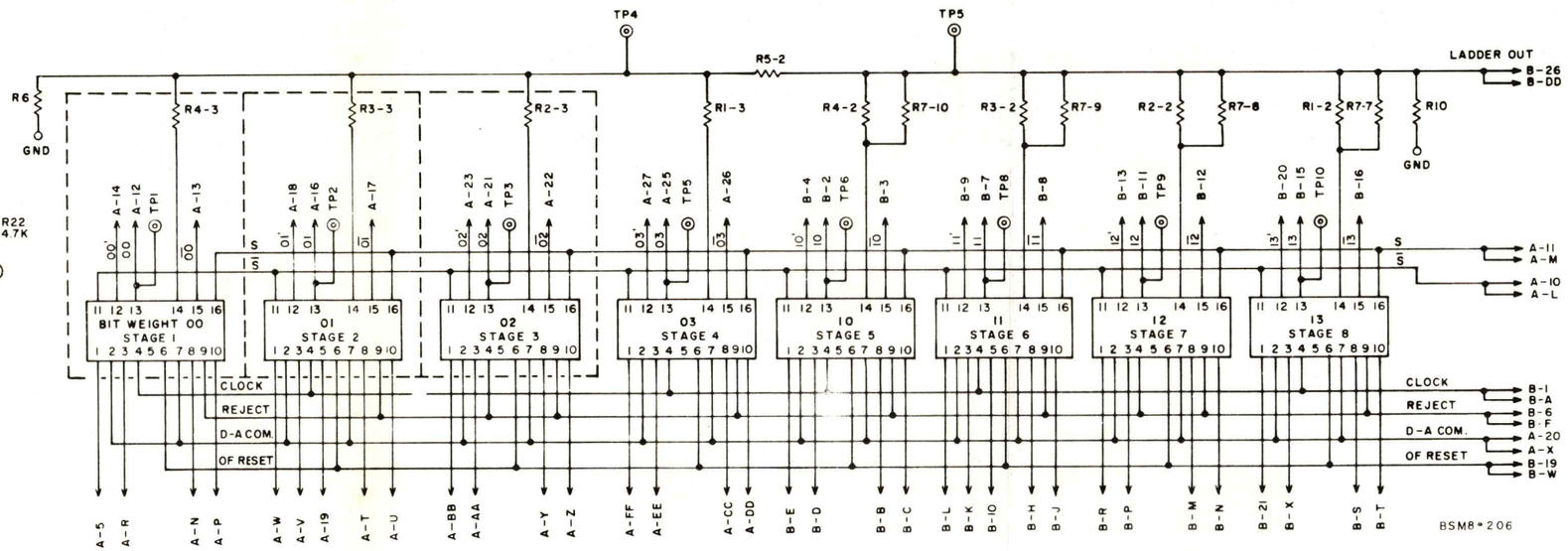


Figure 8-206. Texas Instrument A/D DAC II

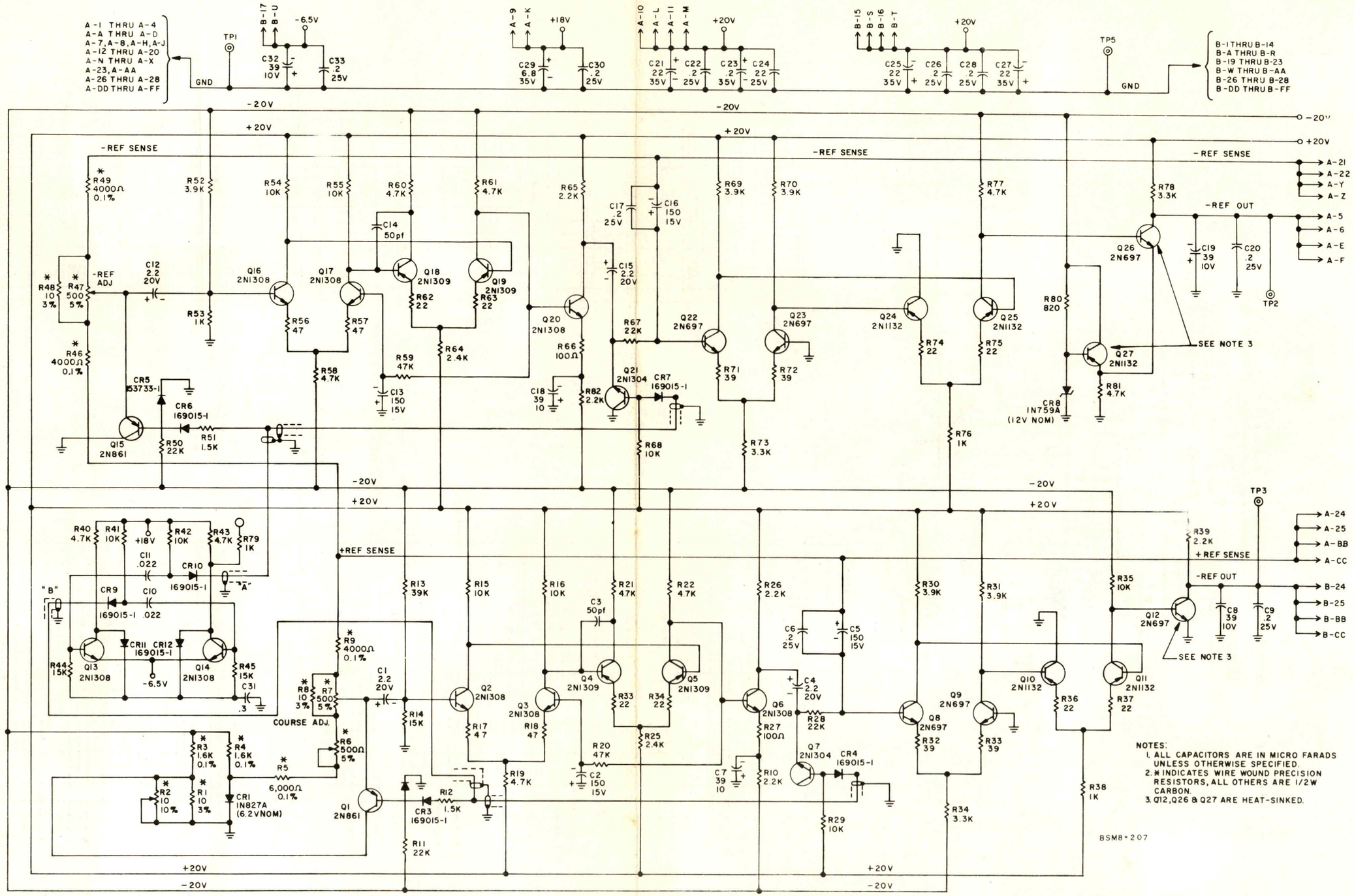


Figure 8-207. Texas Instrument A/D Reference Supply Schematic

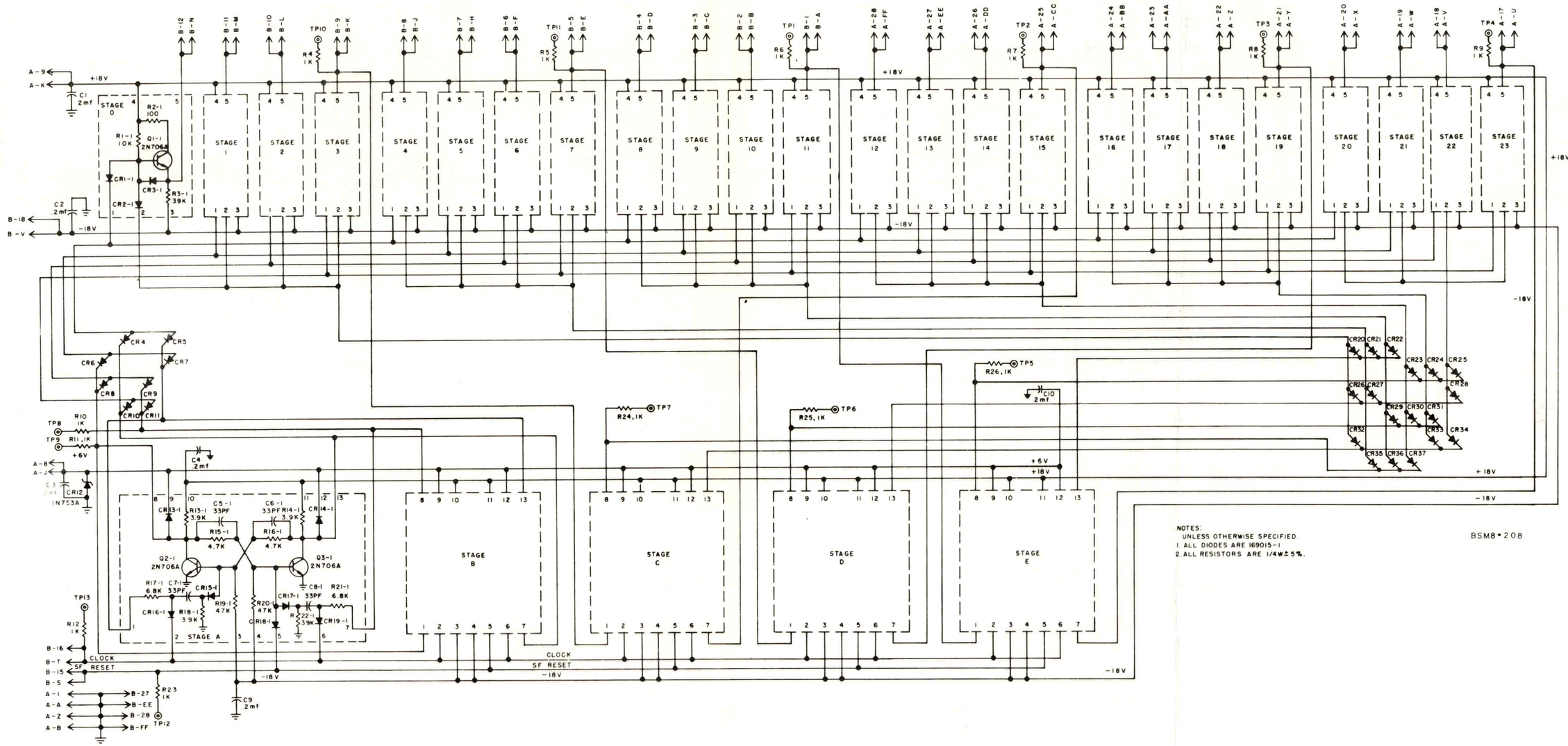


Figure 8-208. Texas Instrument A/D Matrix Card

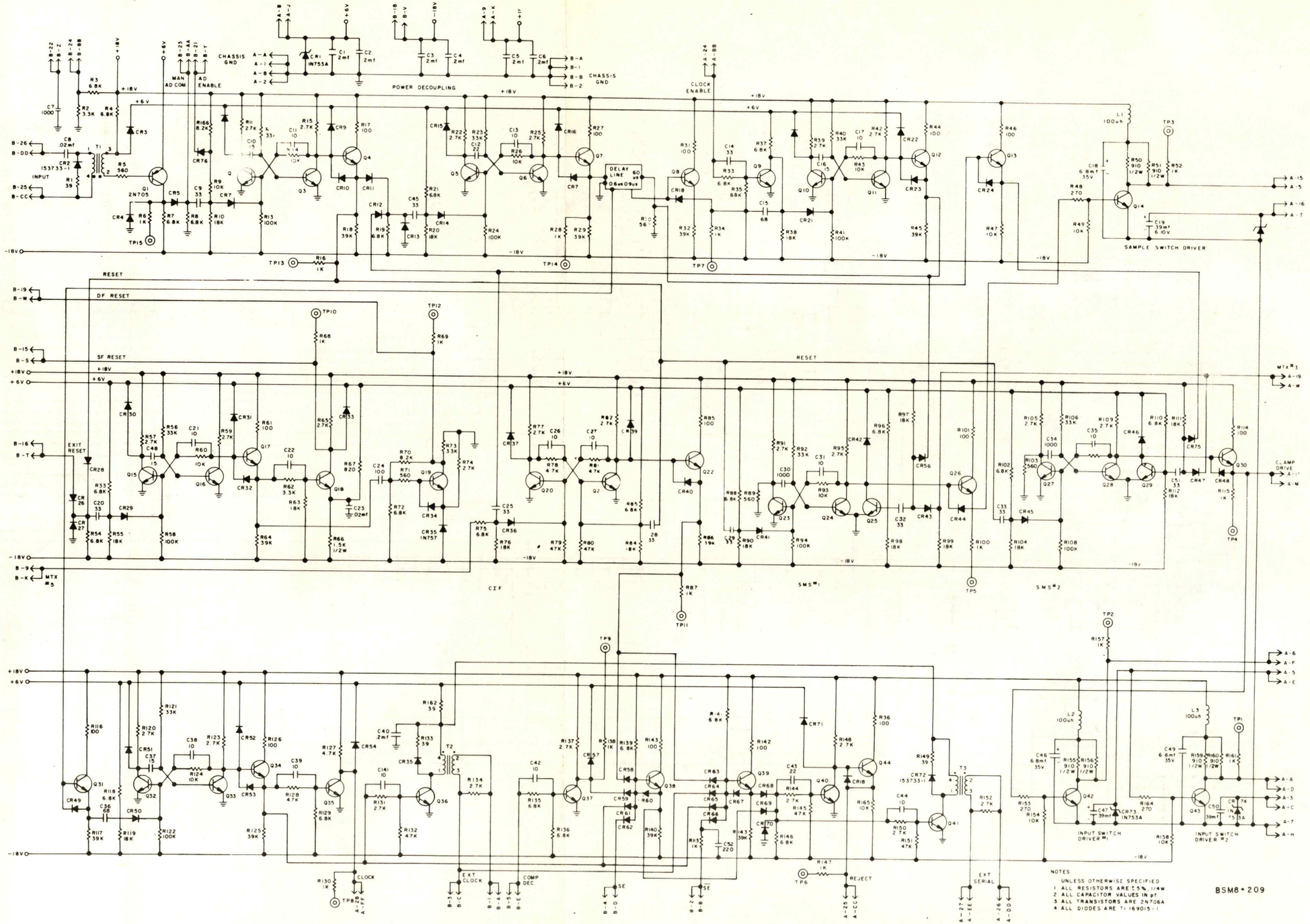


Figure 8-209. Texas Instrument A/D Program Card

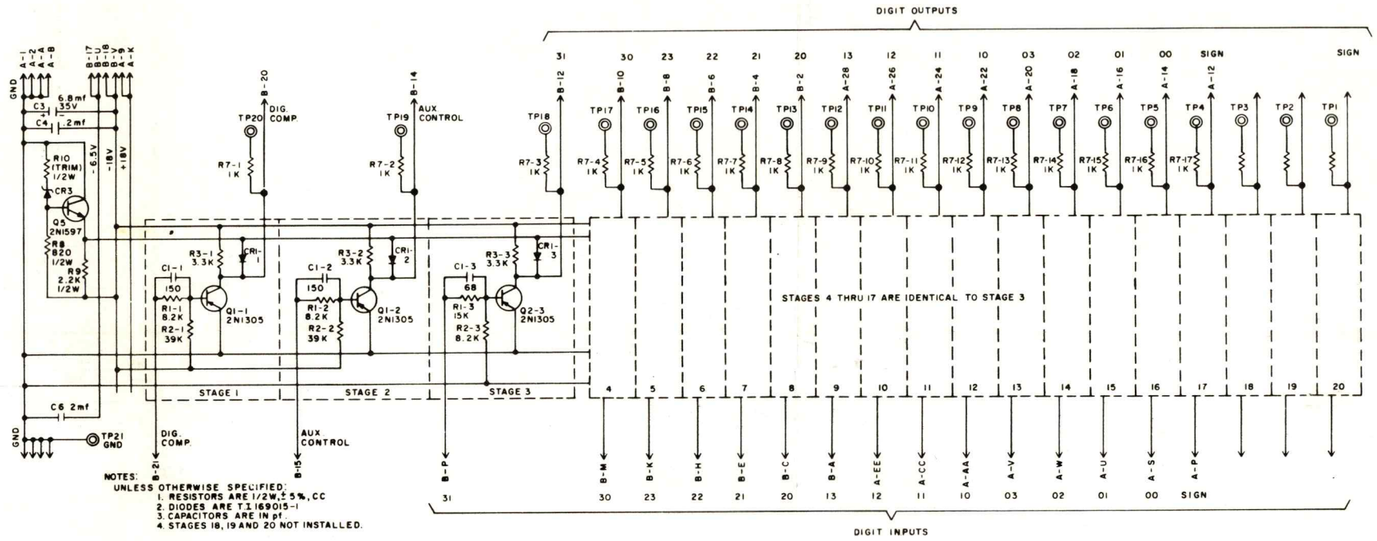


Figure 8-210. Texas Instrument A/D Digit Output Type 3

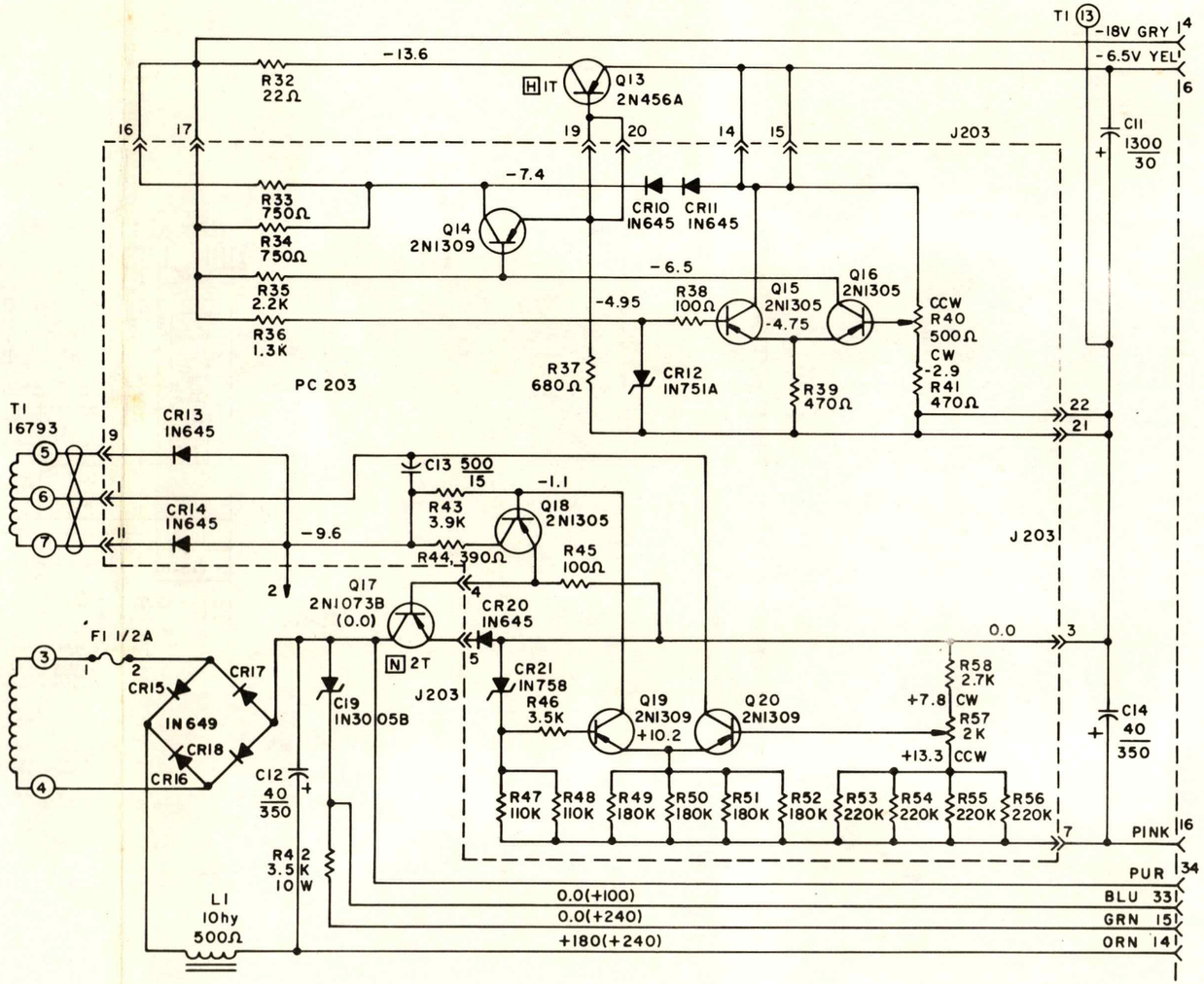
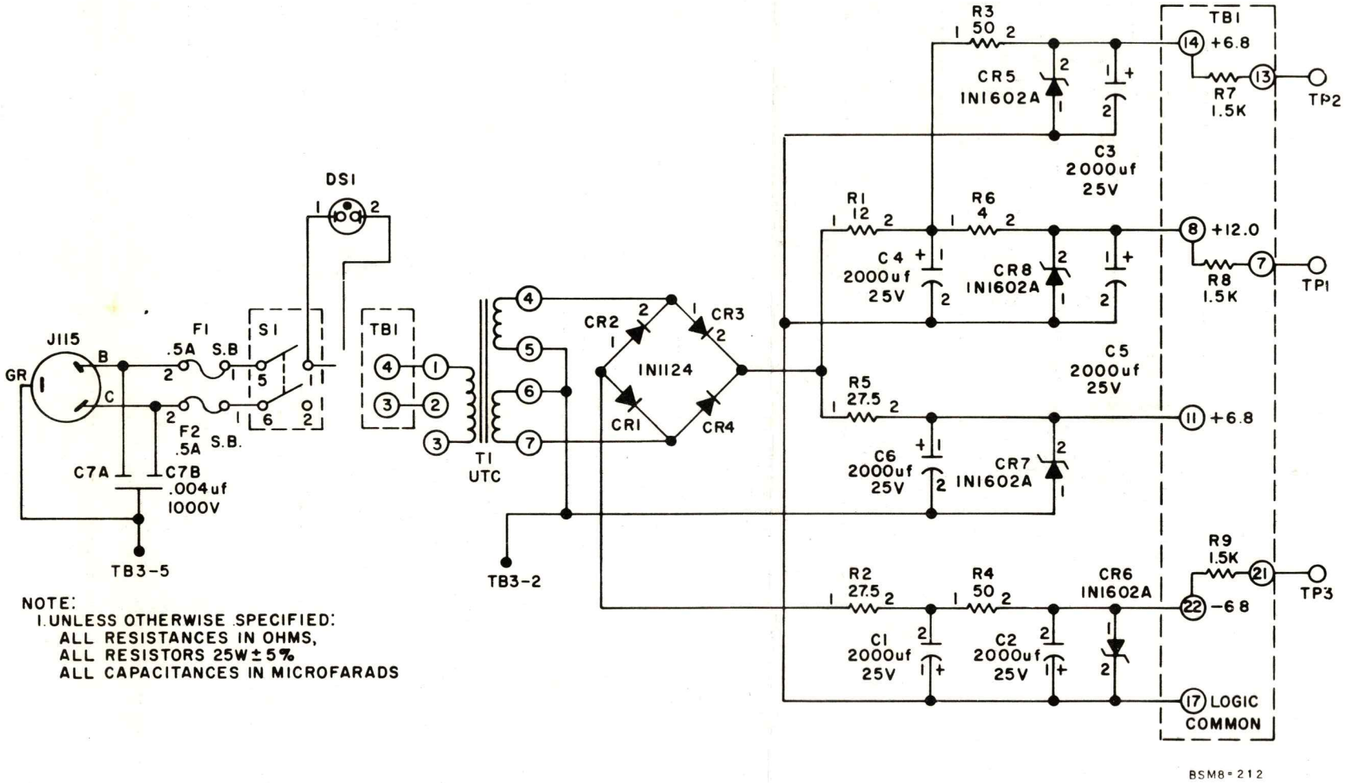
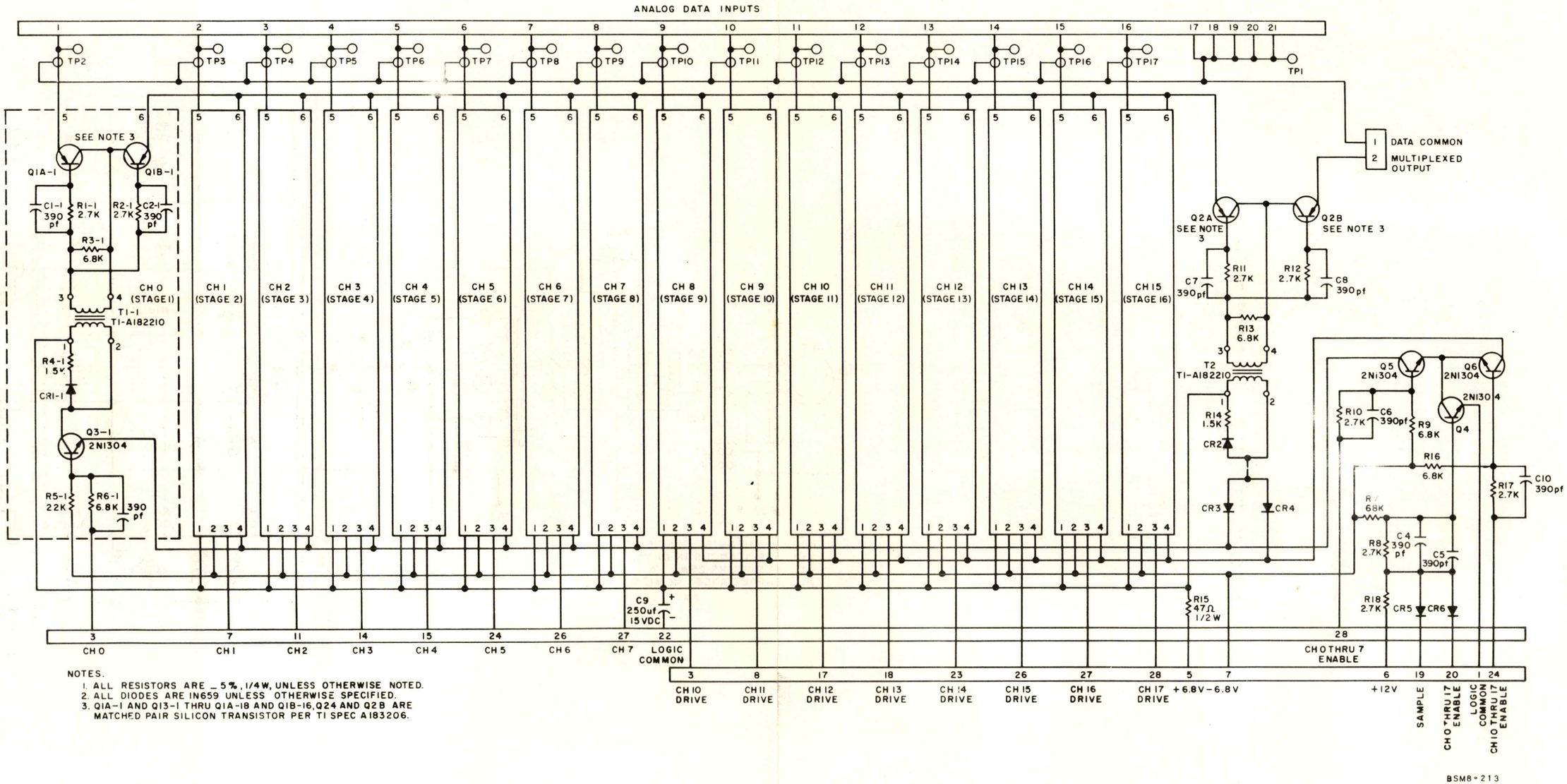


Figure 8-211. Texas Instrument A/D High Voltage Power Supply



NOTE:
1. UNLESS OTHERWISE SPECIFIED:
   ALL RESISTANCES IN OHMS,
   ALL RESISTORS 25W ± 5%
   ALL CAPACITANCES IN MICROFARADS

Figure 8-212. Texas Instrument Multiplexer Power Supply



NOTES.
1. ALL RESISTORS ARE ± 5%, 1/4W, UNLESS OTHERWISE NOTED.
2. ALL DIODES ARE IN659 UNLESS OTHERWISE SPECIFIED.
3. Q1A-1 AND Q13-1 THRU Q1A-18 AND Q1B-16, Q24 AND Q2B ARE MATCHED PAIR SILICON TRANSISTOR PER TI SPEC A183206.

Figure 8-213. Texas Instrument Multiplexer Binary Switch Card

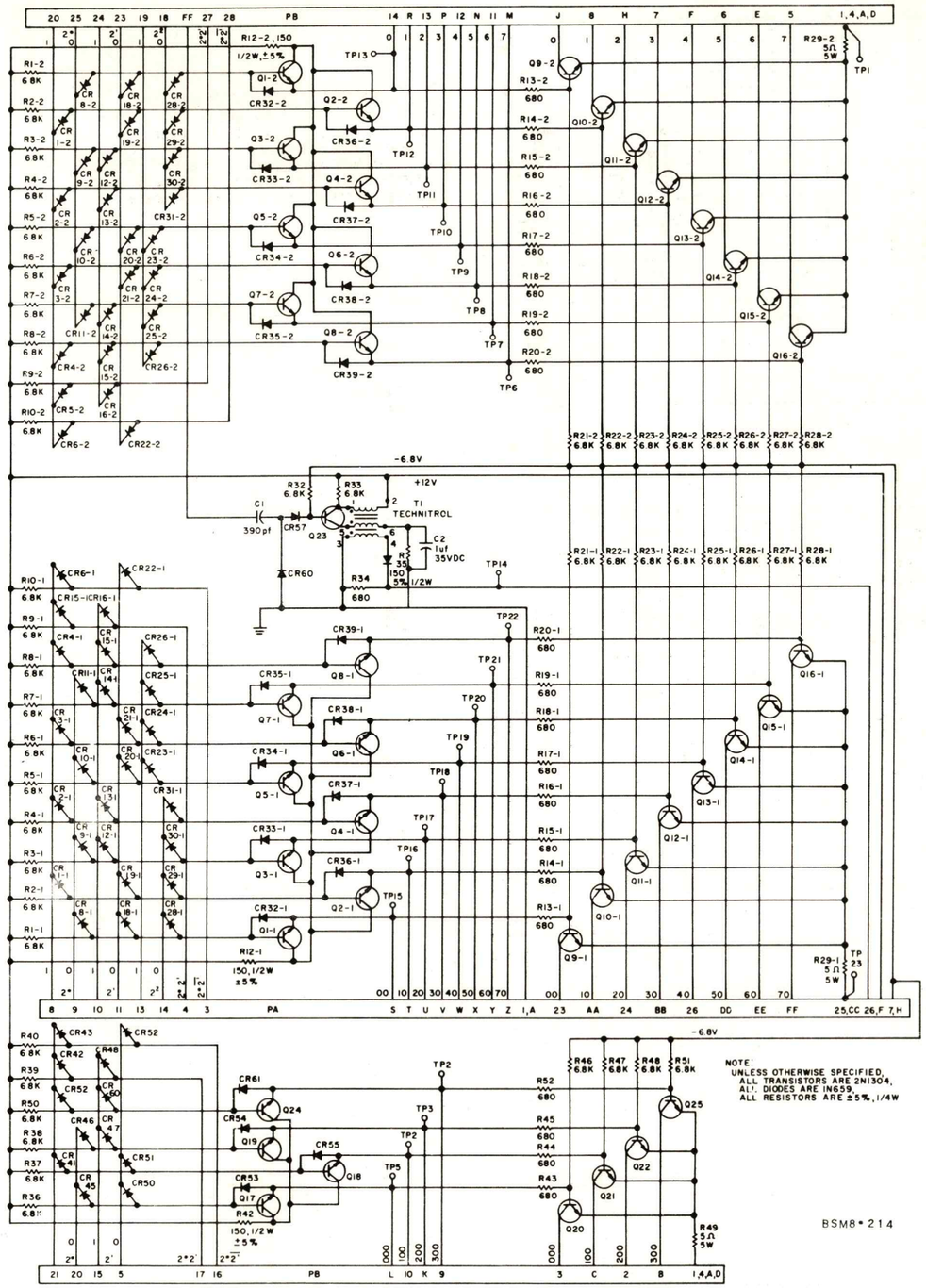
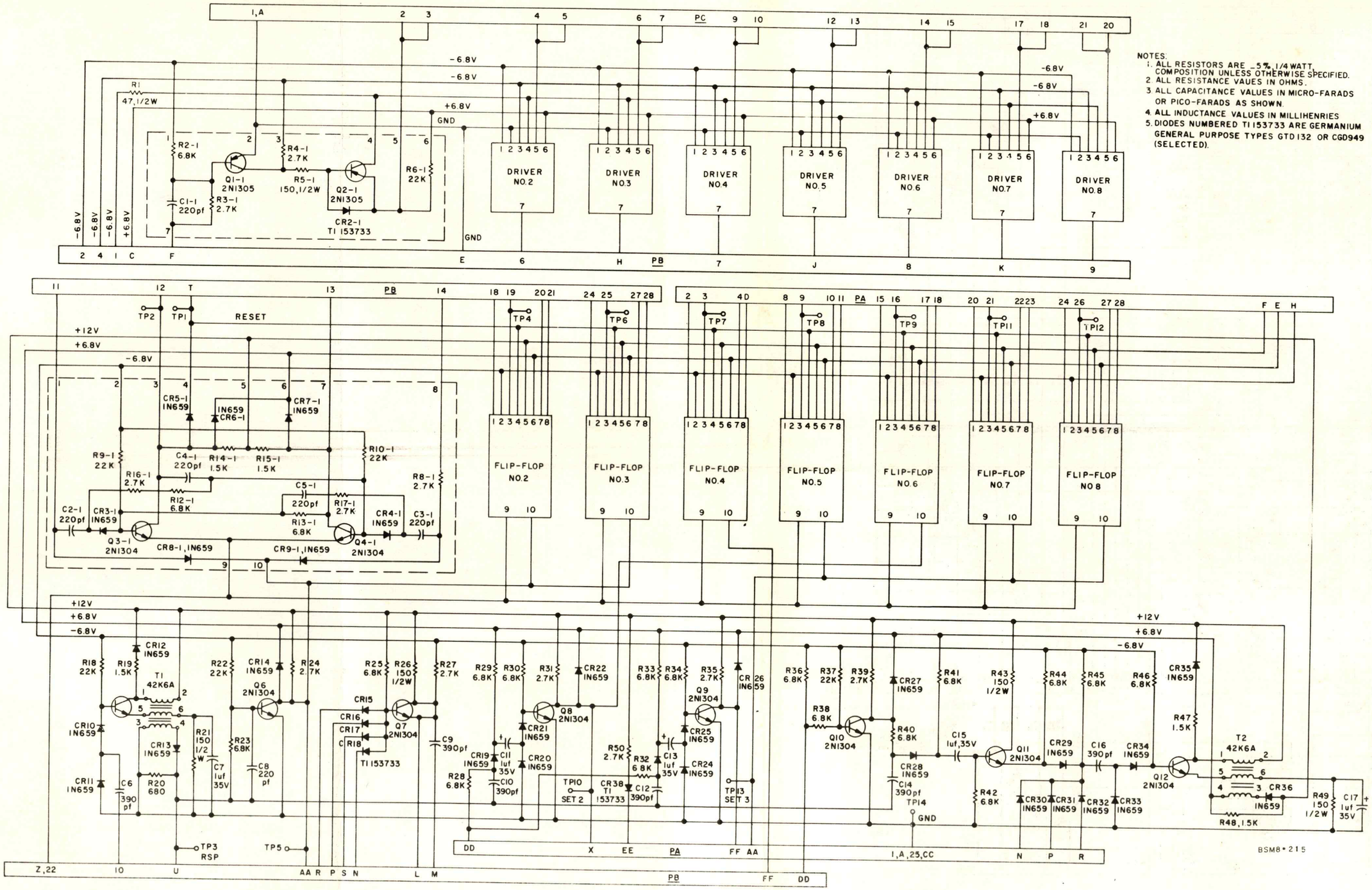
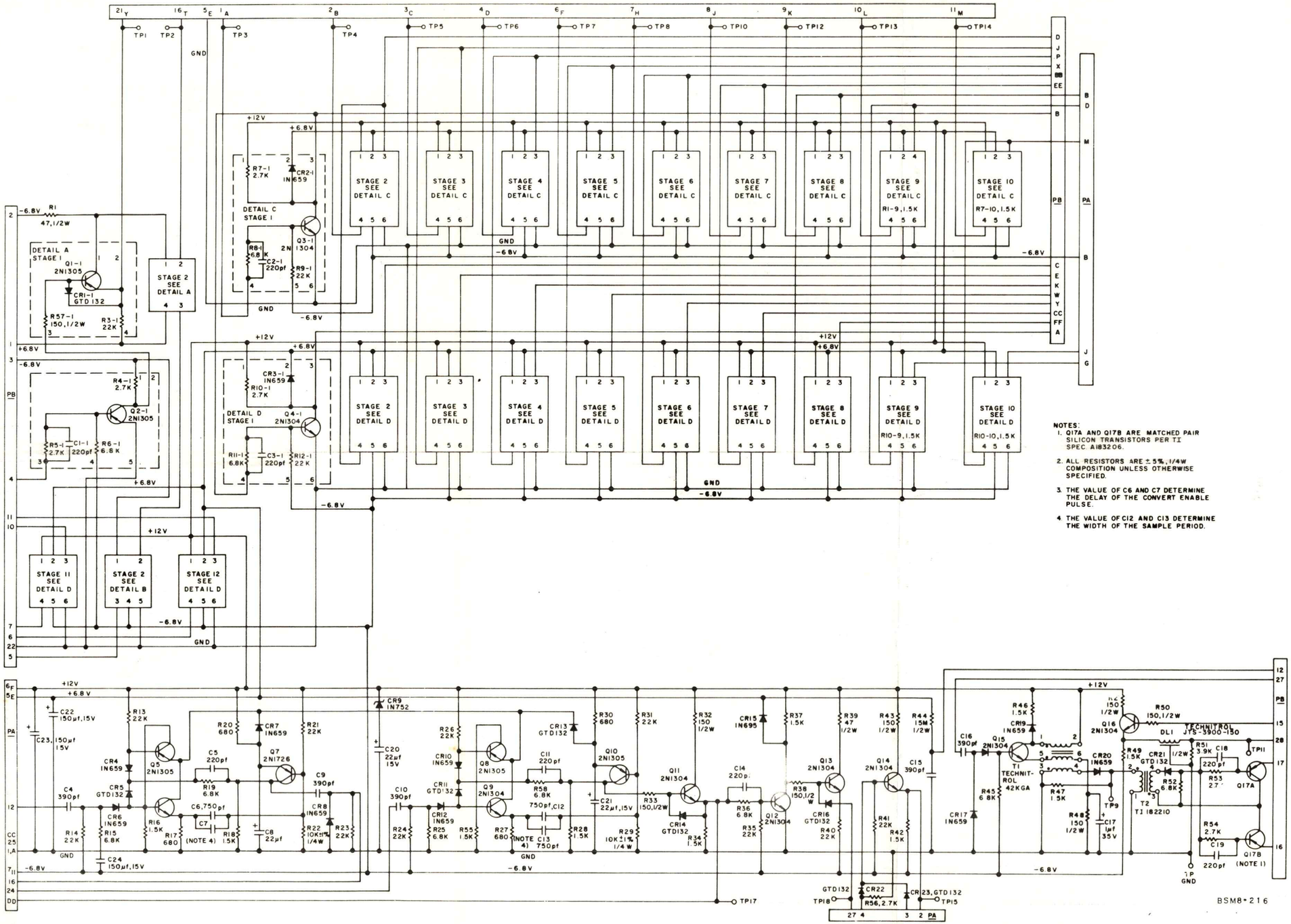


Figure 8-214. Texas Instrument Multiplexer Binary Matrix Card



NOTES:
1. ALL RESISTORS ARE ±5%, 1/4 WATT, COMPOSITION UNLESS OTHERWISE SPECIFIED.
2. ALL RESISTANCE VALUES IN OHMS.
3. ALL CAPACITANCE VALUES IN MICRO-FARADS OR PICO-FARADS AS SHOWN.
4. ALL INDUCTANCE VALUES IN MILLIHENRIES
5. DIODES NUMBERED TI 153733 ARE GERMANIUM GENERAL PURPOSE TYPES GTD 132 OR CGD949 (SELECTED).

Figure 8-215. Texas Instrument Multiplexer Register Card



NOTES:

1. Q17A AND Q17B ARE MATCHED PAIR SILICON TRANSISTORS PER TI SPEC. A183206.
2. ALL RESISTORS ARE ± 5%, 1/4W COMPOSITION UNLESS OTHERWISE SPECIFIED.
3. THE VALUE OF C6 AND C7 DETERMINE THE DELAY OF THE CONVERT ENABLE PULSE.
4. THE VALUE OF C12 AND C13 DETERMINE THE WIDTH OF THE SAMPLE PERIOD.

Figure 8-216. Texas Instrument Multiplexer Addressable Control Card

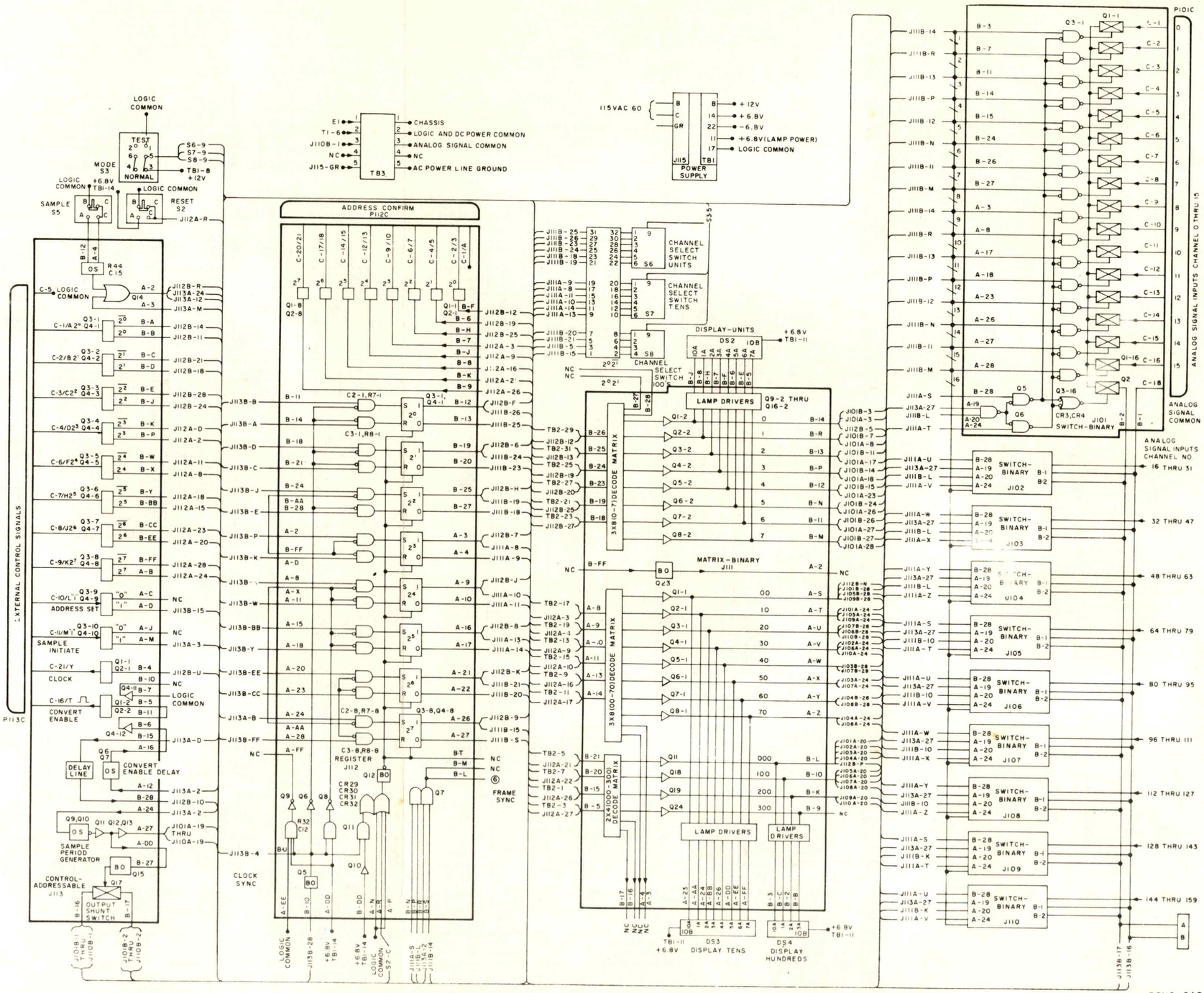


Figure 8-217. Texas Instrument Multiplexer Maintenance Logic Diagram

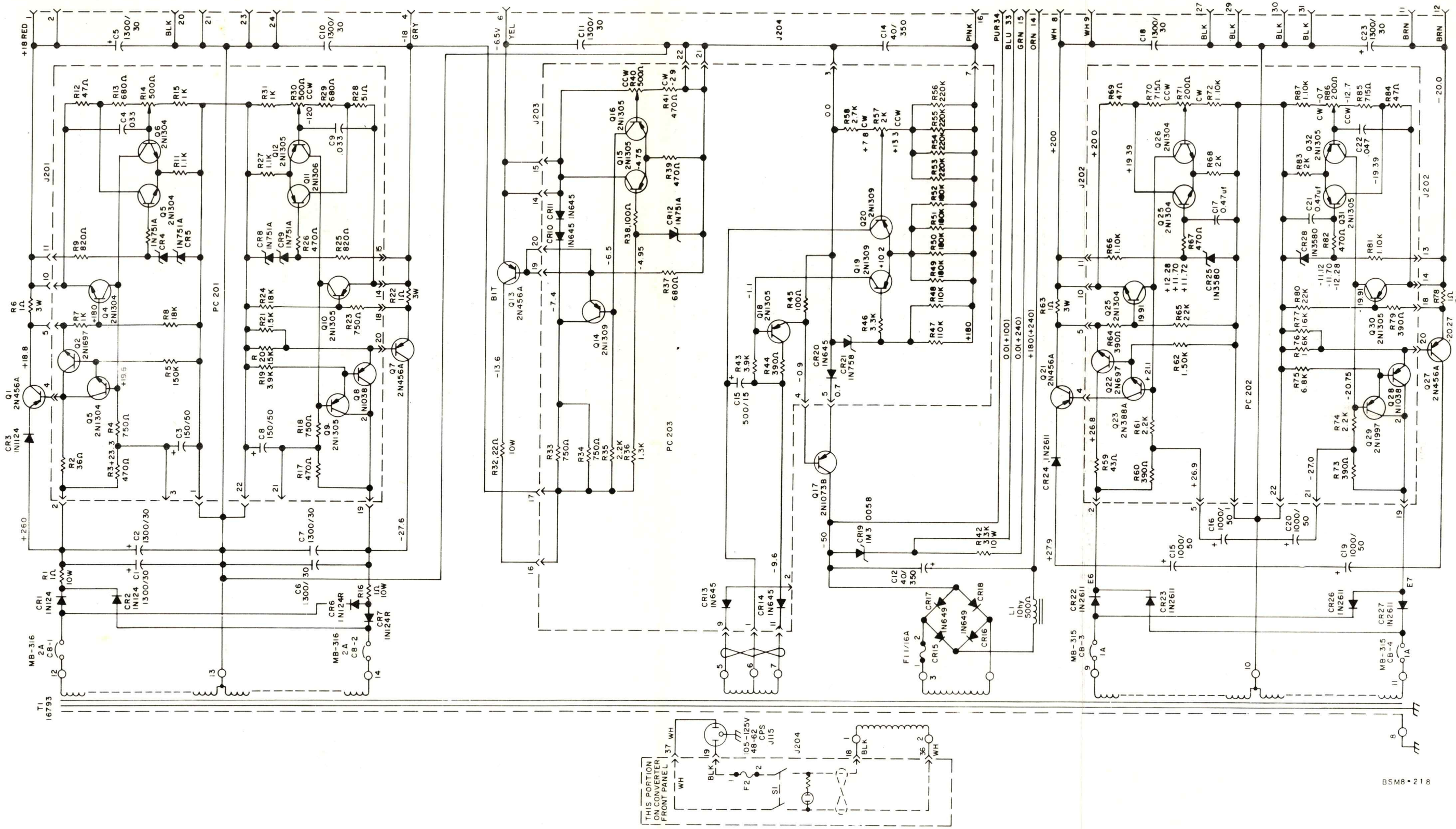
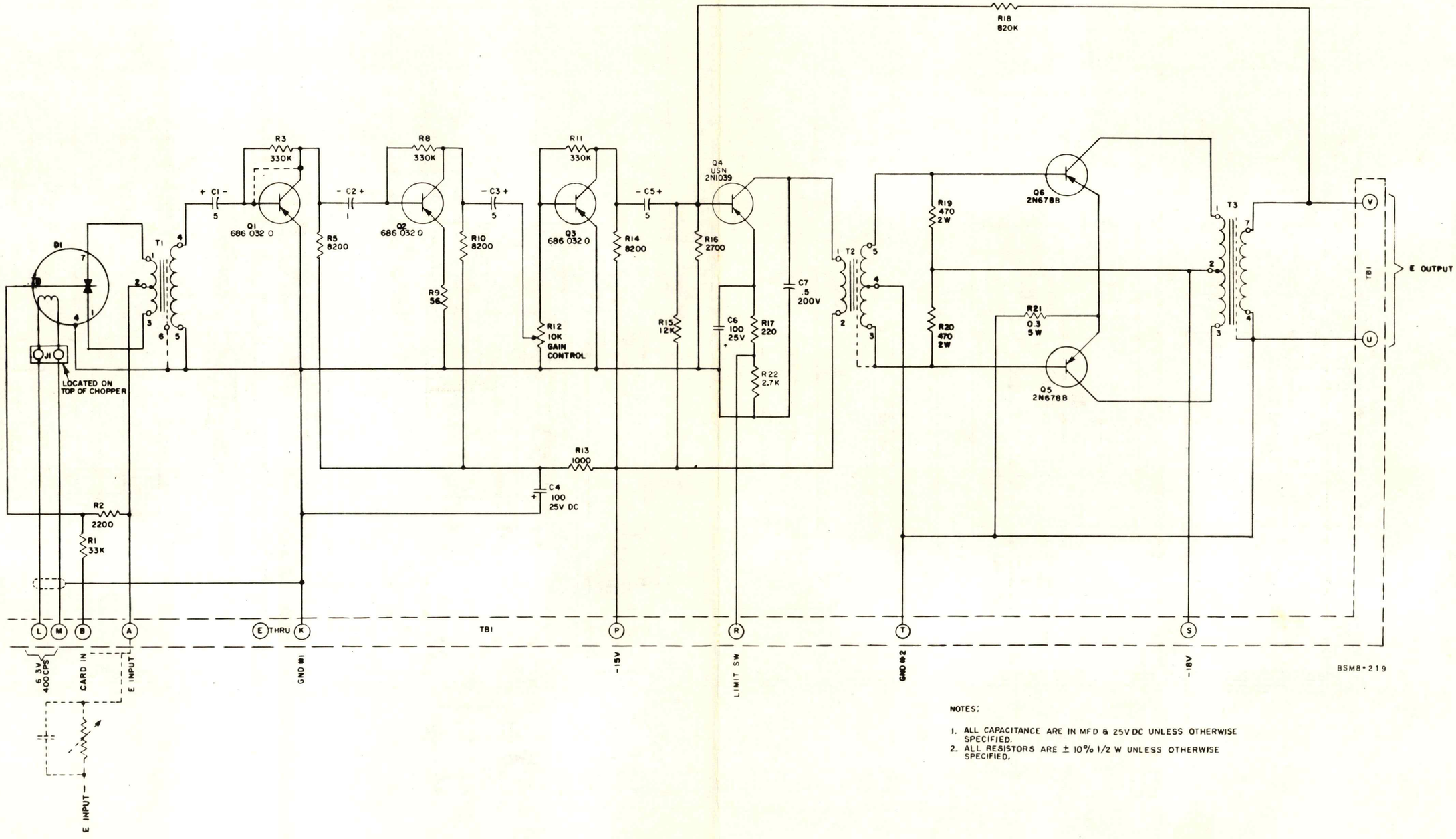


Figure 8-218. Texas Instrument A/D Analog Supplies



NOTES:

1. ALL CAPACITANCE ARE IN MFD @ 25V DC UNLESS OTHERWISE SPECIFIED.
2. ALL RESISTORS ARE ± 10% 1/2 W UNLESS OTHERWISE SPECIFIED.

Figure 8-219. EAI 205T Servo Amplifier

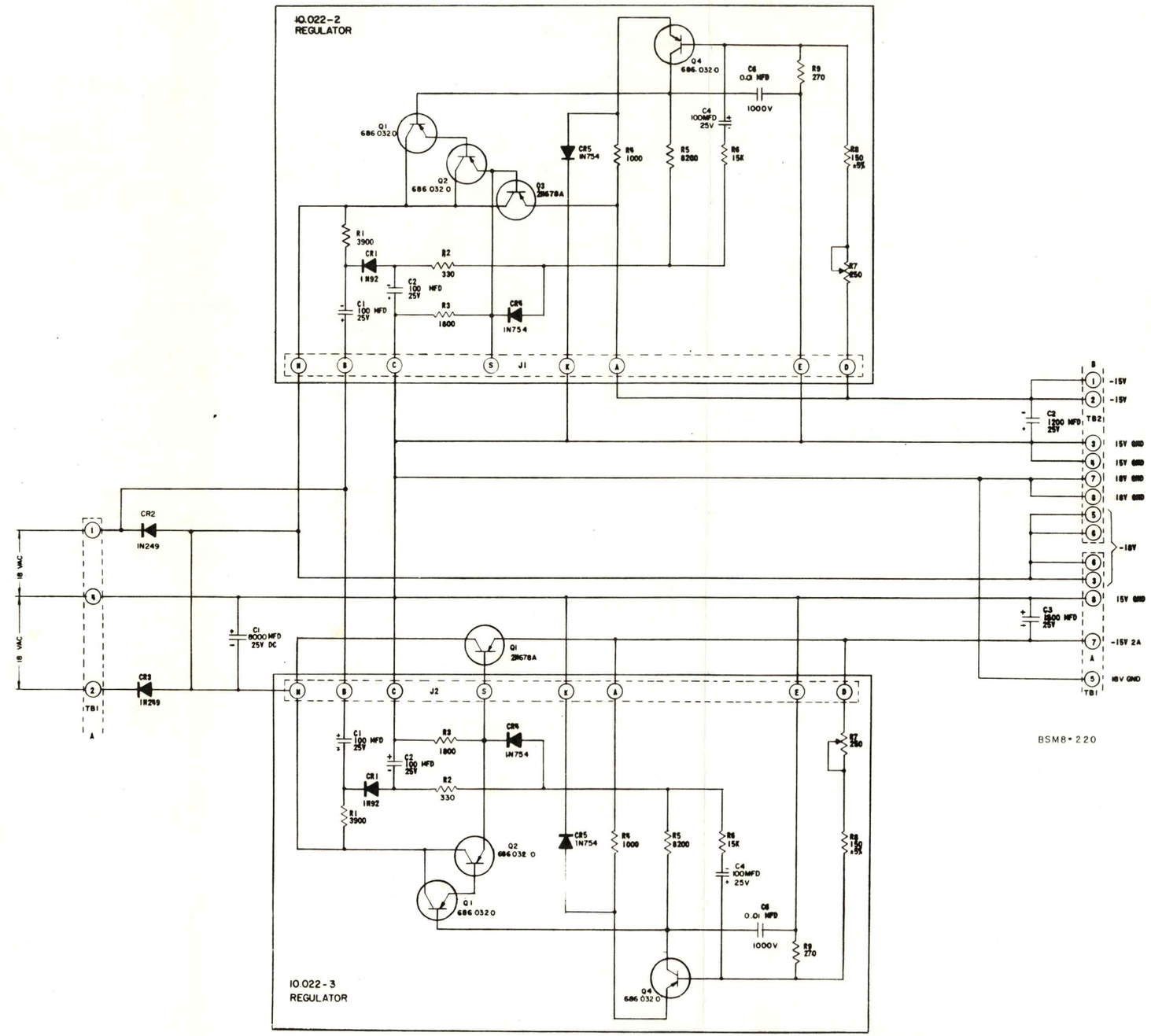


Figure 8-220. EAI 205T Power Supply

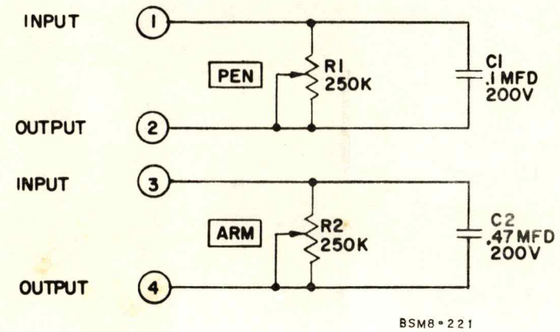


Figure 8-221. EAI 205T Damping Network

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL RESISTORS ARE ±10% TOLERANCE, 1/2 WATT.

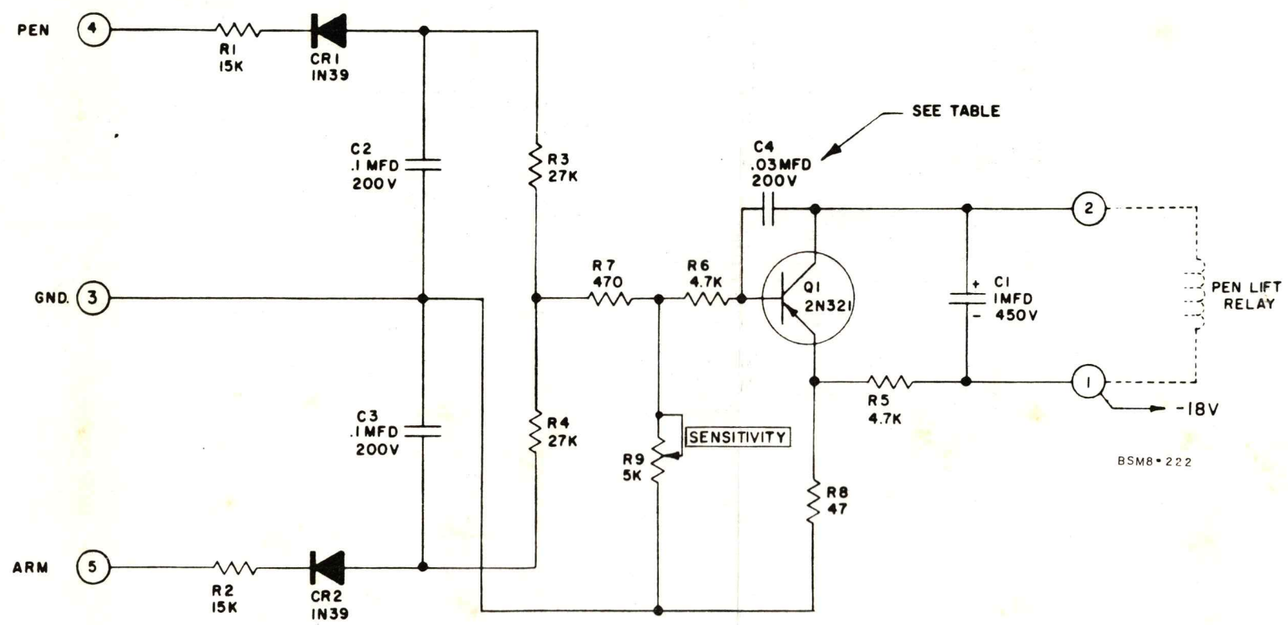


Figure 8-222. EAI 205T Automatic Pen Lift Control

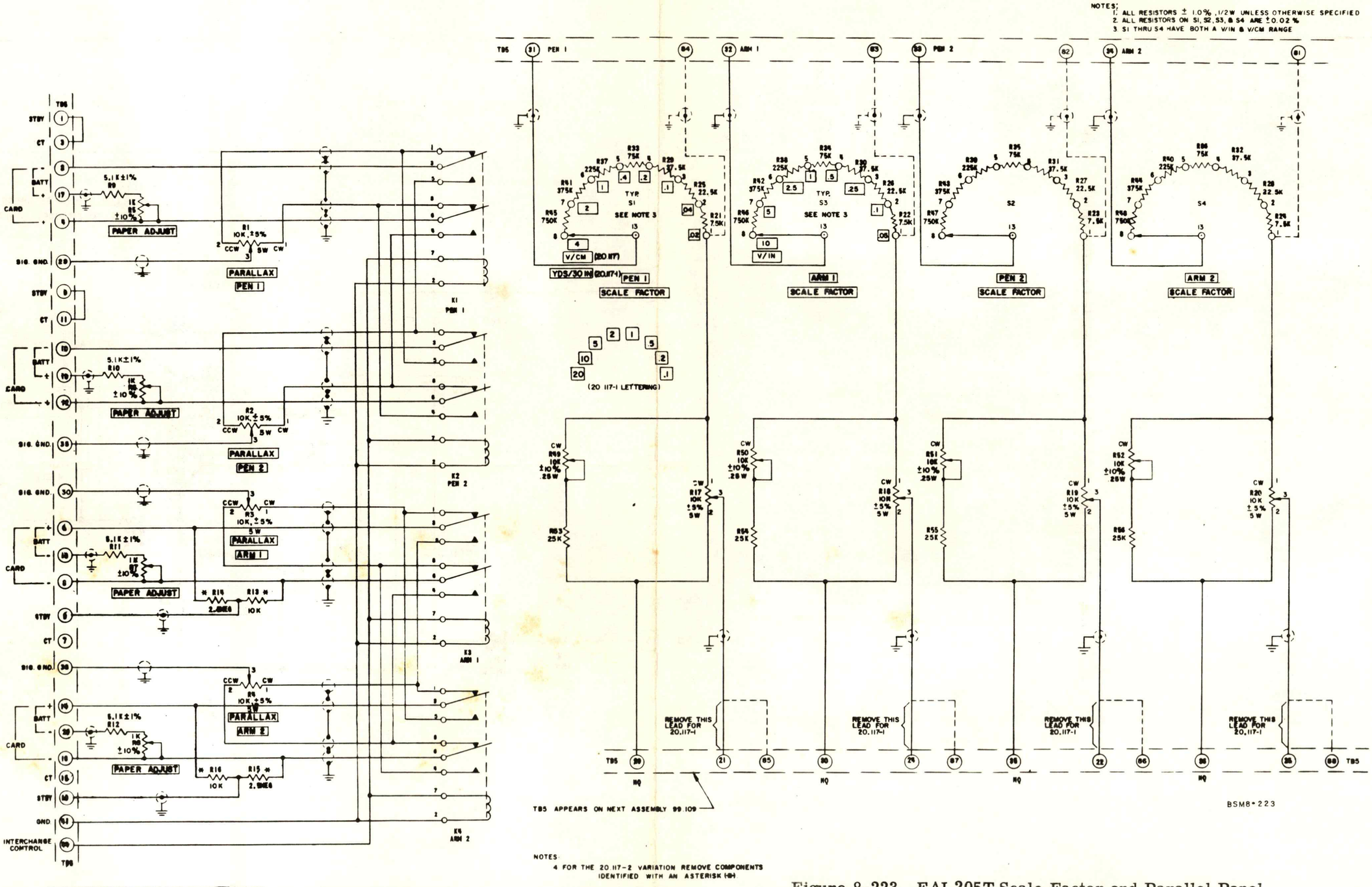
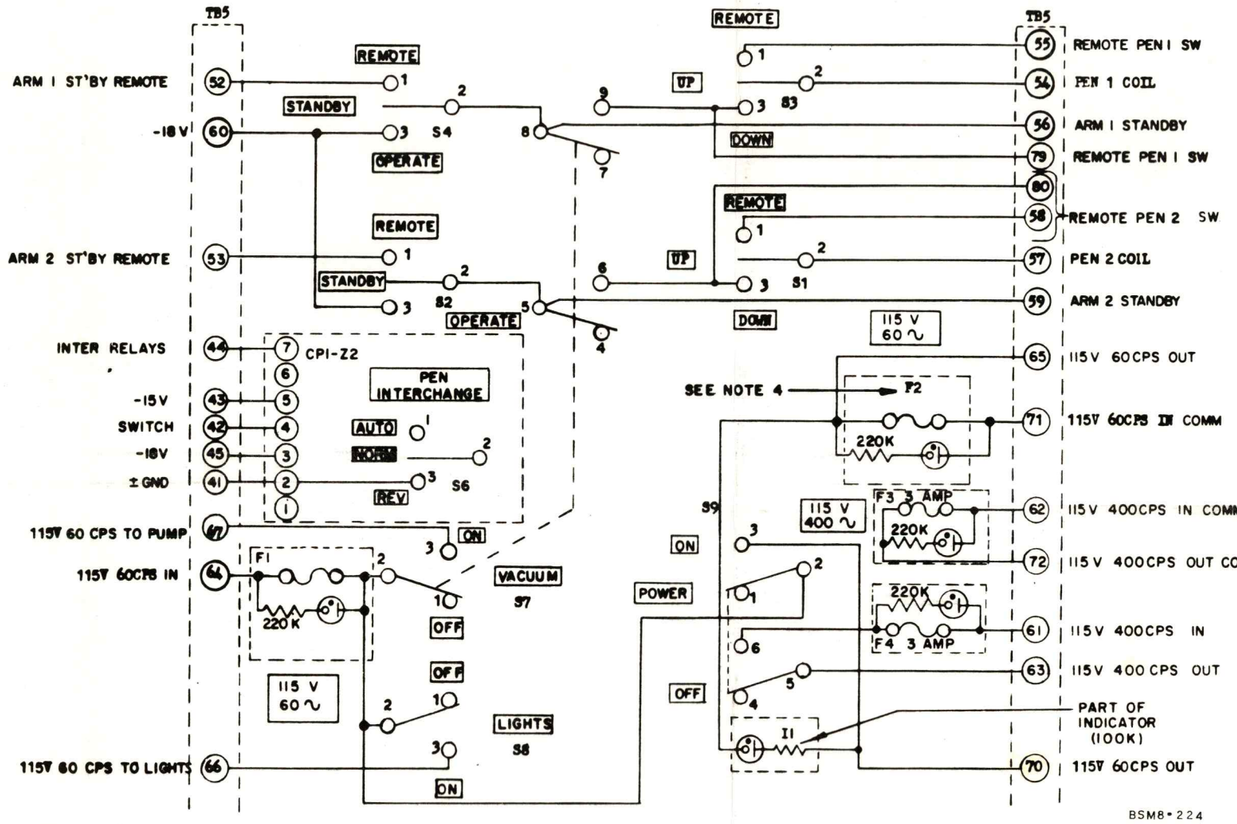


Figure 8-223. EAI 205T Scale Factor and Parallel Panel



NOTES: 1. PEN INTERCHANGE CIRCUITRY SHOWN ON DWG B020 058 OS

2. INDICATORS & RESISTORS SHOWN WITH FUSES ARE PART OF FUSE ASSEMBLY.
3. TB5 IS PART OF NEXT ASS'Y. 99.109
4. SEE NEXT ASSEMBLIES FOR VALUES OF F1 & F2.

Figure 8-224. EAI 205T Control Panel

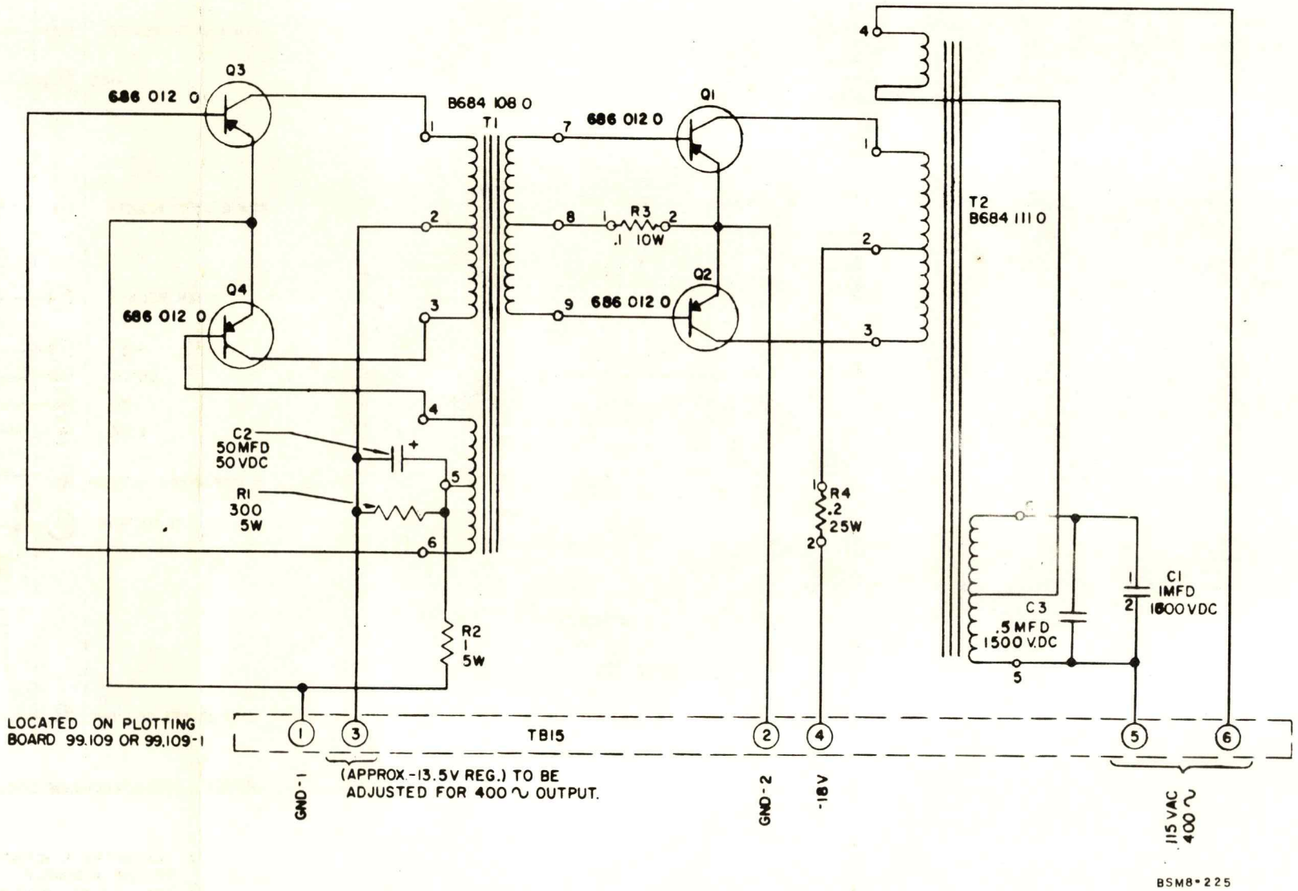
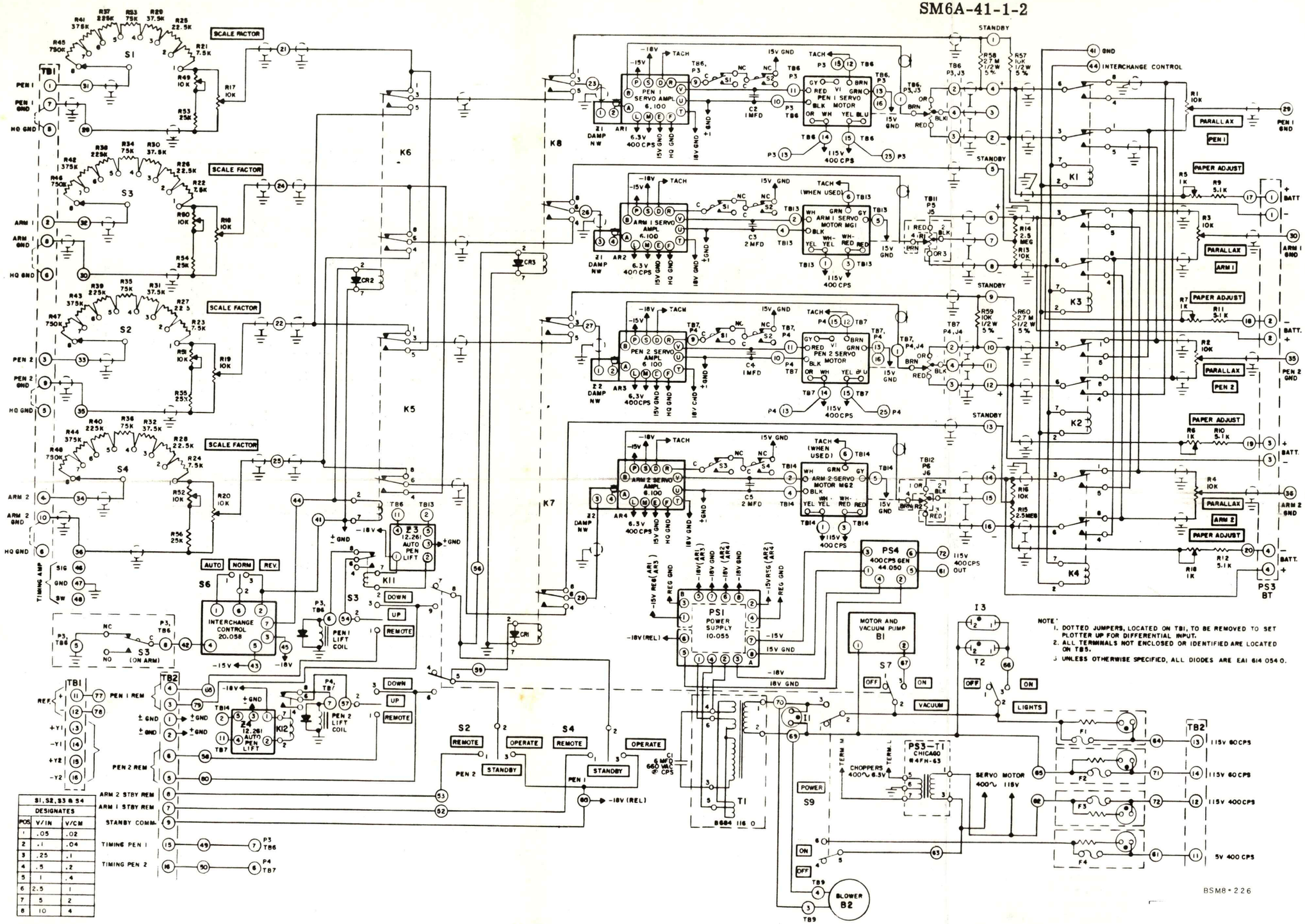
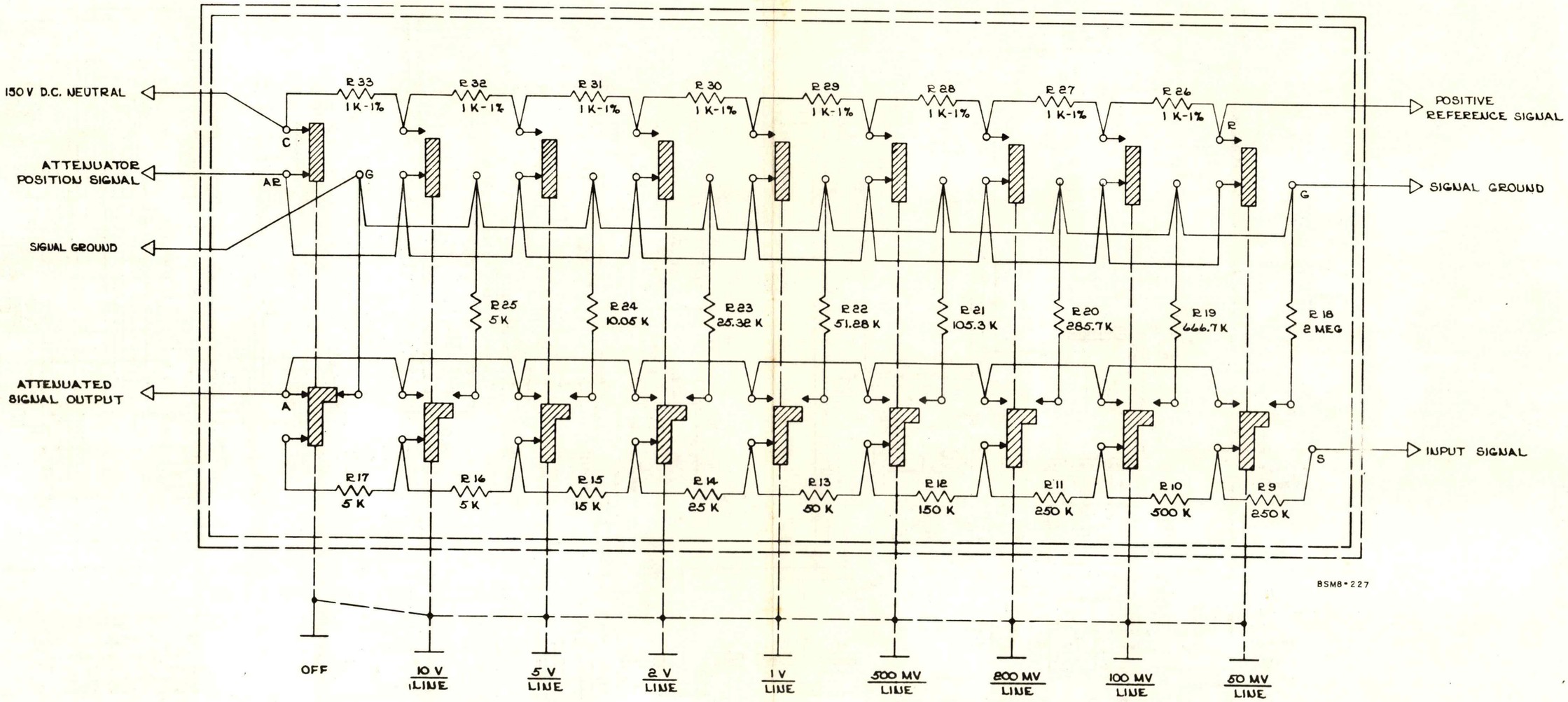


Figure 8-225. EAI 205T 400 Cycle Generator



NOTE:
1. DOTTED JUMPERS, LOCATED ON TB1, TO BE REMOVED TO SET PLOTTER UP FOR DIFFERENTIAL INPUT.
2. ALL TERMINALS NOT ENCLOSED OR IDENTIFIED ARE LOCATED ON TB5.
3. UNLESS OTHERWISE SPECIFIED, ALL DIODES ARE EAI 614 054 0.

Figure 8-226. EAI 205T Plotting Board (2 arm)



NOTE: UNLESS OTHERWISE INDICATED:
ALL RESISTANCE IN OHMS
ALL RESISTORS ½ WATT
ALL RESISTANCES ± ¼ %

Figure 8-227. Brush Mark 200 Attenuator Switch Wiring

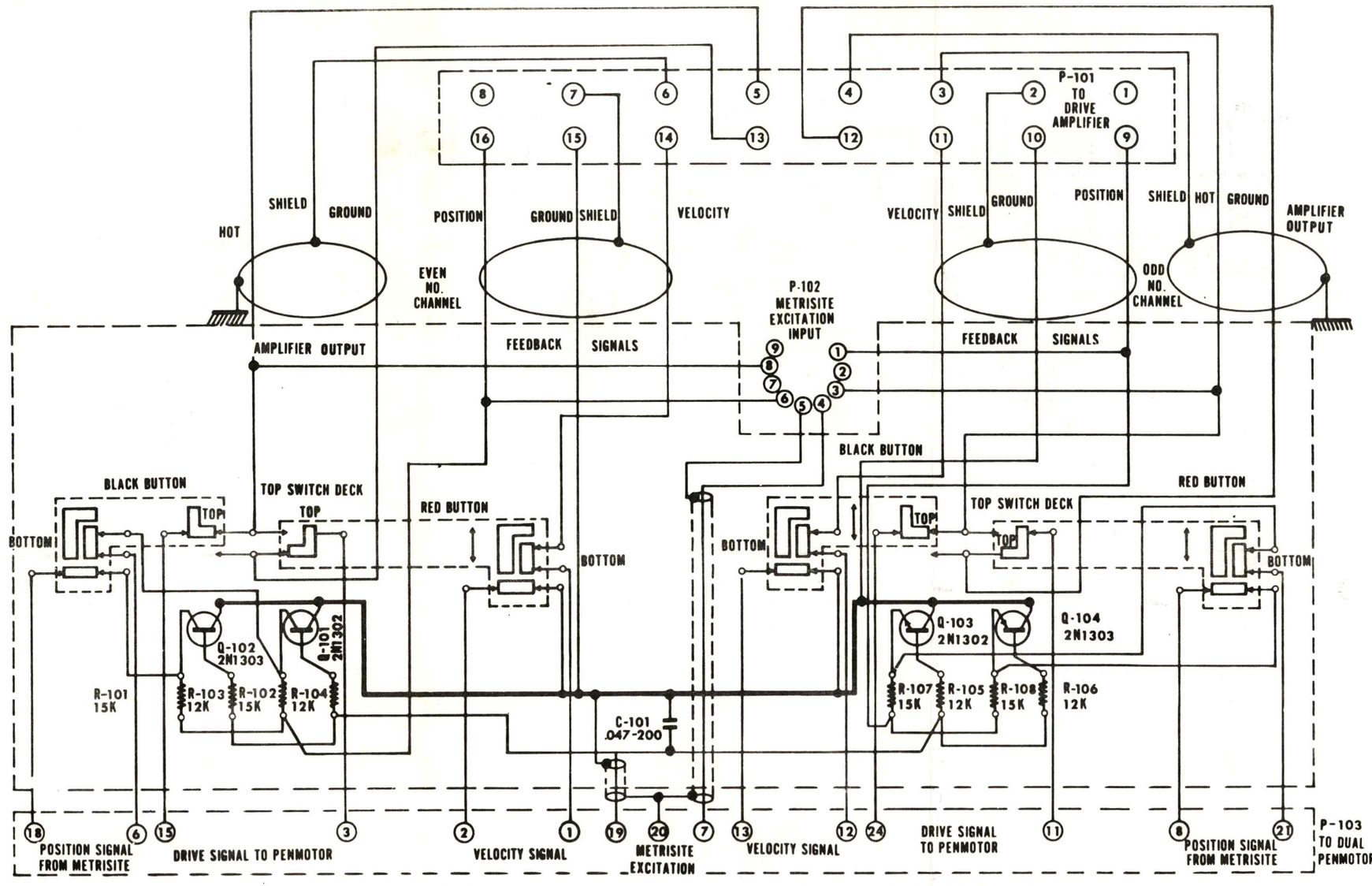
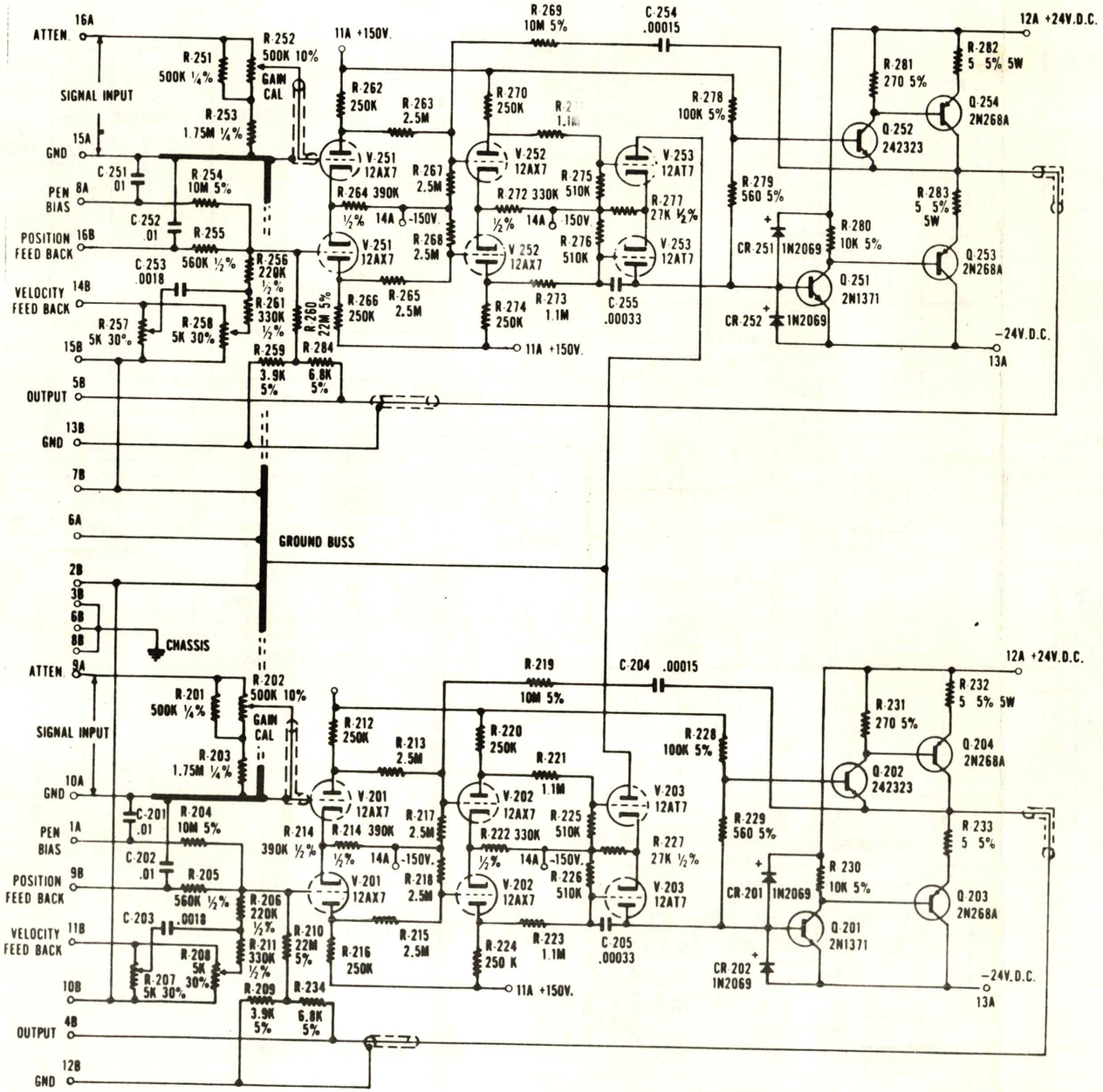
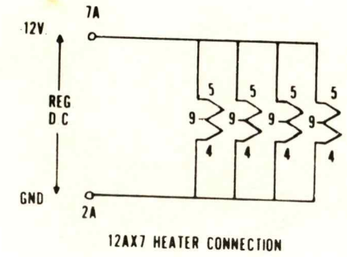


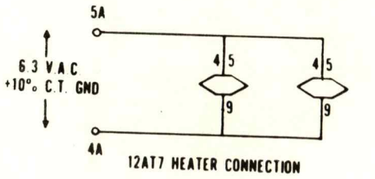
Figure 8-228. Brush Mark 200 Demodulator and Rev Switch Assembly

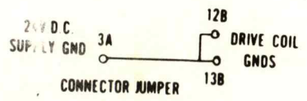


'A'
POWER & INPUT CONNECTOR

PEN BIAS (R.H.)	8	16	ATTEN. SIGNAL IN (R.H.)
NEG.12V.D.C.	7	15	SIGNAL GR GND (R.H.)
150V.D.C. GND	6	14	NEG. 150V.D.C.
6.3V.,60 CYCLE TO 12AT7 HTRS. (C.T. GND)	5	13	NEG. 24V.D.C.
	4	12	POS. 24V.D.C.
24V.D.C. GND	3	11	POS.150V.D.C.
D.C. HTR GND	2	10	SIGNAL GND (L.H.)
PEN BIAS (L.H.)	1	9	ATTEN. SIGNAL IN (L.H.)







'B'
PEN MOTOR CABLE CONNECTOR

PEN POSITION SIG. (+)	16	8	CHASSIS
FEED BACK SIGNAL GND	15	7	FEED BACK SIGNAL GND
VELOCITY COIL (+)	14	6	DRIVE SHIELD GND
DRIVE COIL GND	13	5	(+) DRIVE COIL HOT
DRIVE COIL GND	12	4	(+) DRIVE COIL HOT
VELOCITY COIL (+)	11	3	DRIVE SHIELD
FEED BACK SIGNAL GND	10	2	FEED BACK SIGNAL GND
PEN POSITION SIGNAL (+)	9	1	NO CONNECTION

R.H. CHANNEL (EVEN NO.)
L.H. CHANNEL (ODD NO.)

'A' (PLUG) TUBE SIDE OF CHASSIS 'B' (SOCKET) WIRED SIDE OF CHASSIS
BOTH CONNECTORS LOCATED WITH TERMINALS 9 THRU 16 ADJACENT TO CHASSIS

BSM8-229

Figure 8-229. Brush Mark 200 Dual Channel Amplifier Assembly

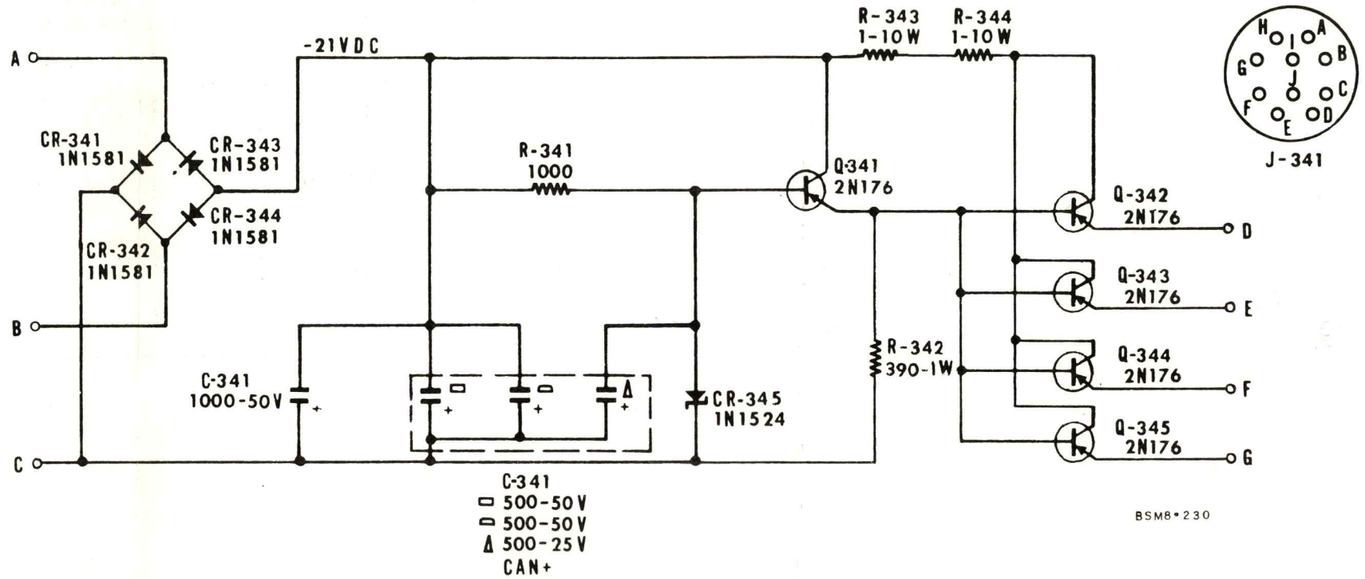


Figure 8-230. Brush Mark 200 Filament Regulator

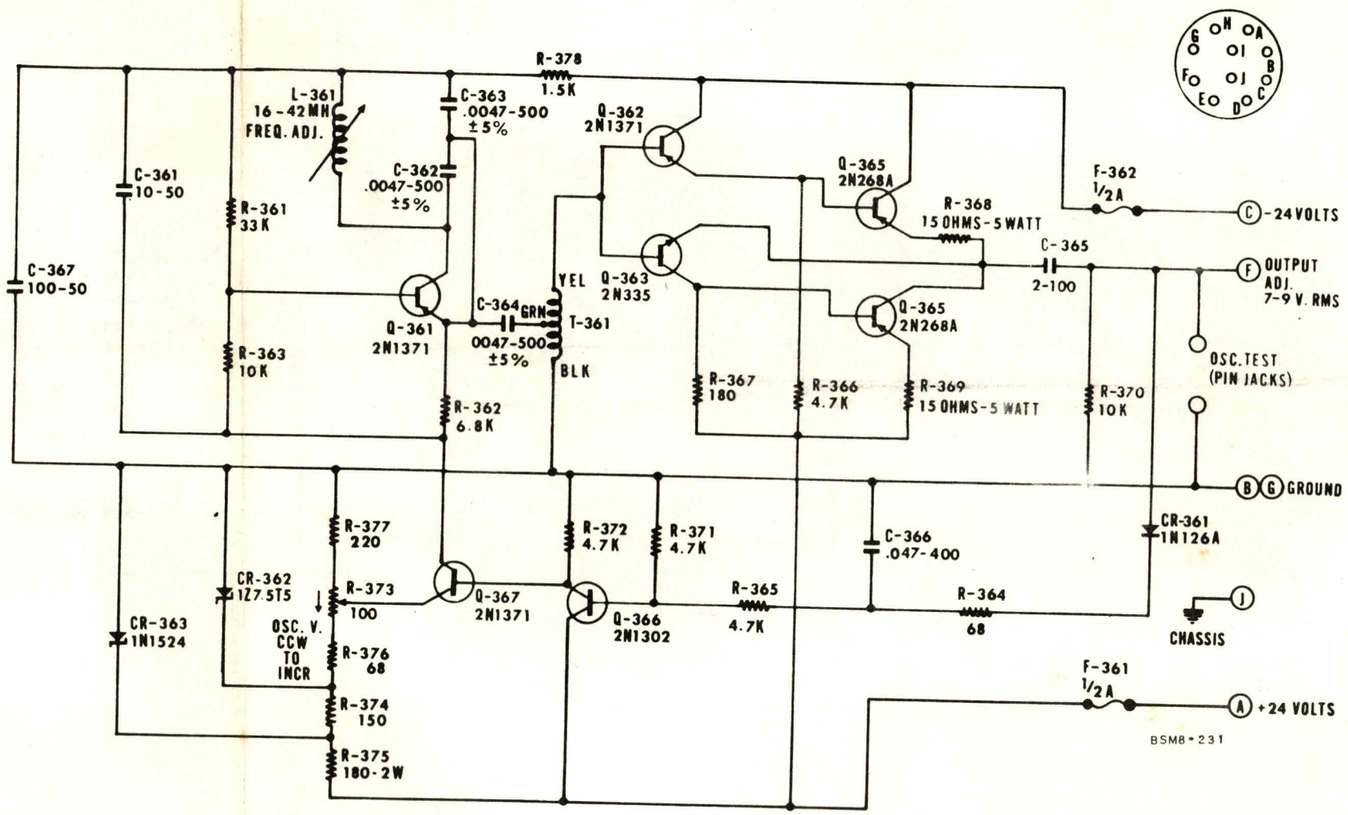


Figure 8-231. Brush Mark 200 20 KC Power Supply

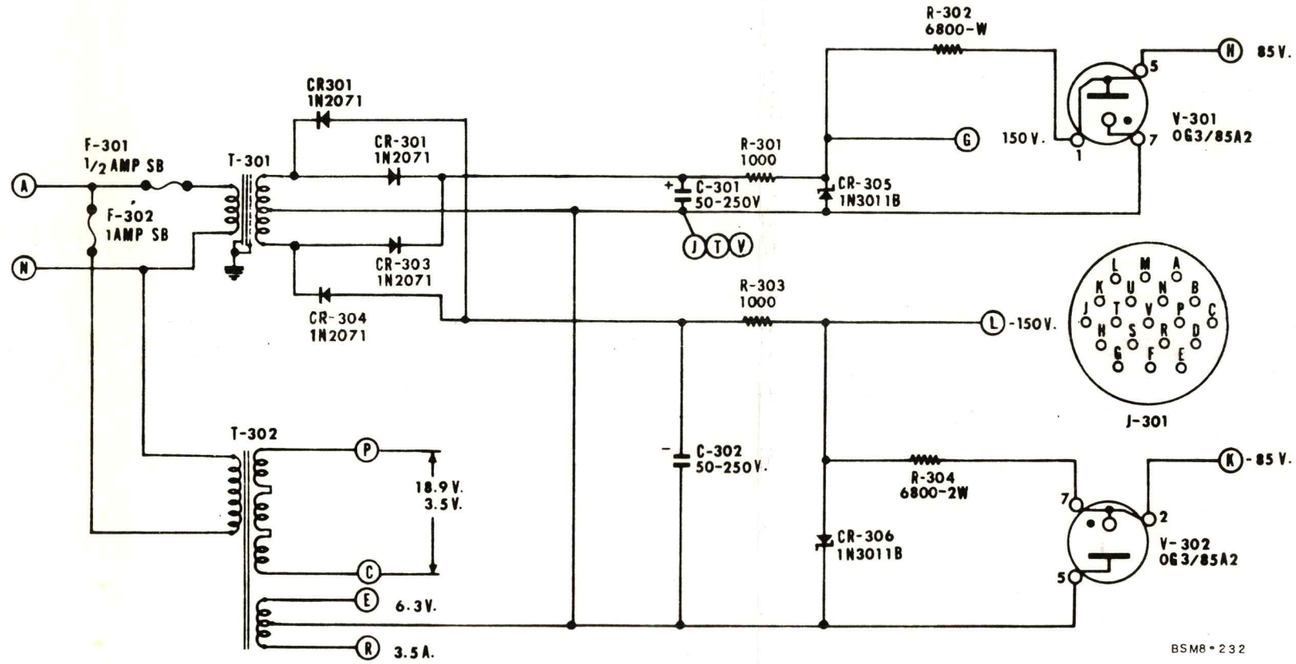


Figure 8-232. Brush Mark 200 150-Volt Power Supply

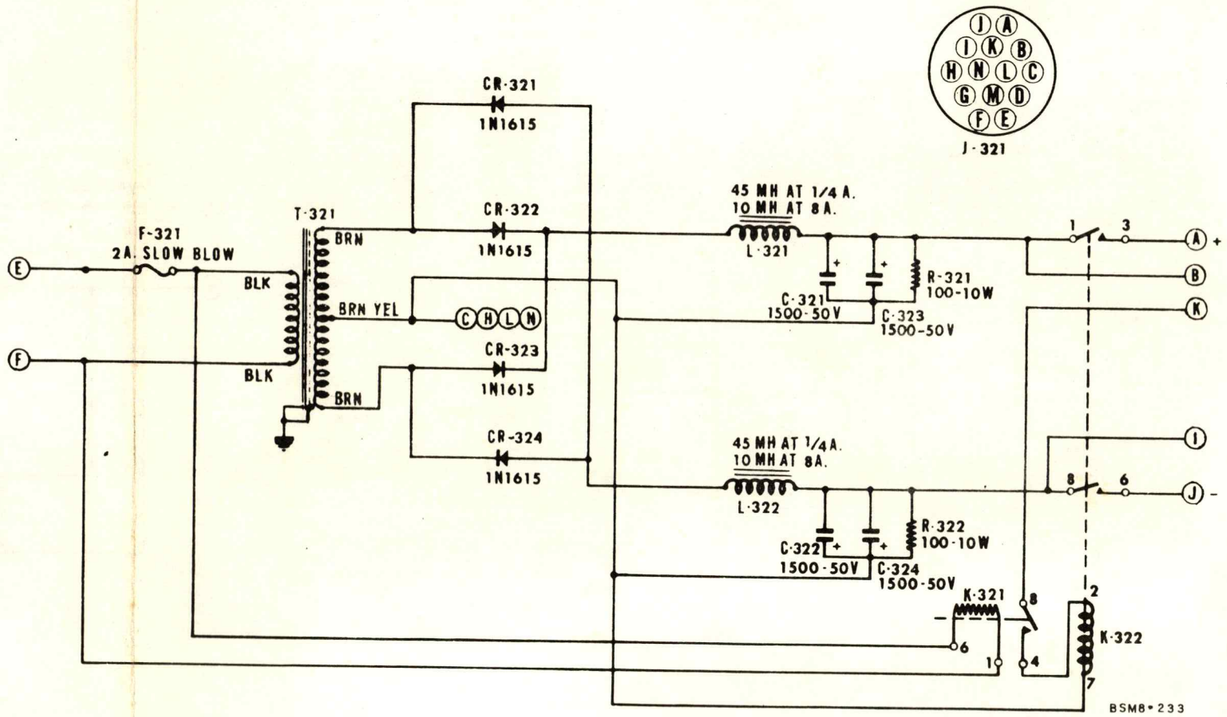
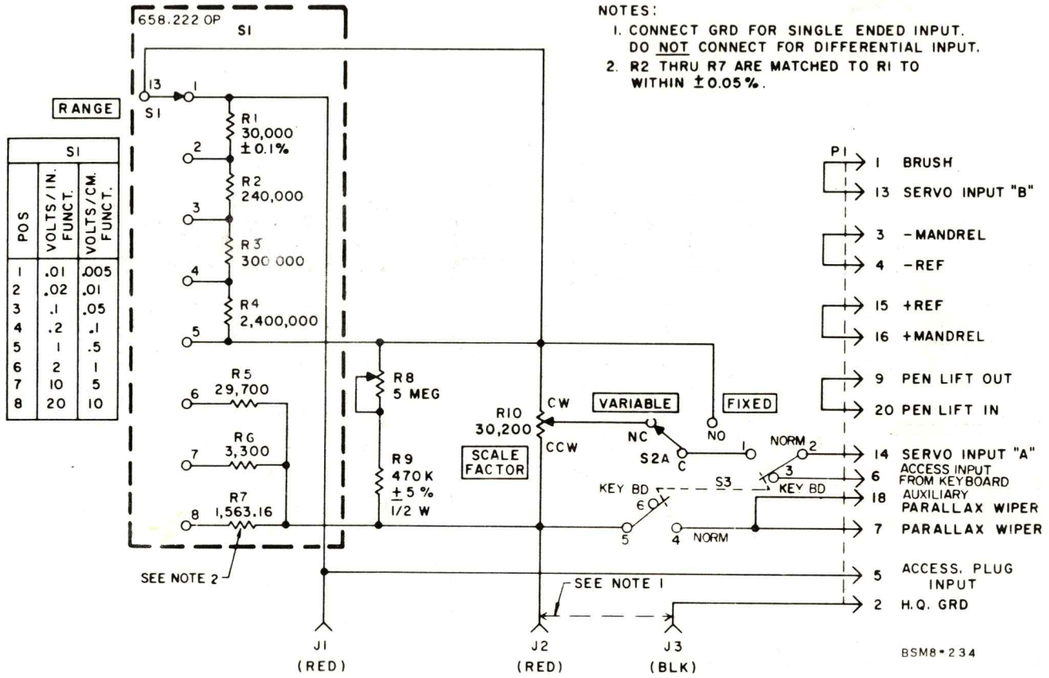


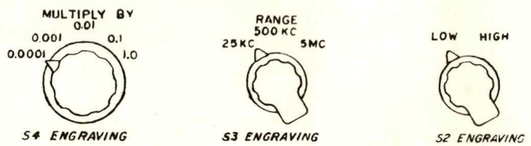
Figure 8-233. Brush Mark 200 24-Volt Power Supply



NOTES:
1. CONNECT GRD FOR SINGLE ENDED INPUT. DO NOT CONNECT FOR DIFFERENTIAL INPUT.
2. R2 THRU R7 ARE MATCHED TO R1 TO WITHIN ±0.05%.

Figure 8-234. EAI General Purpose Module

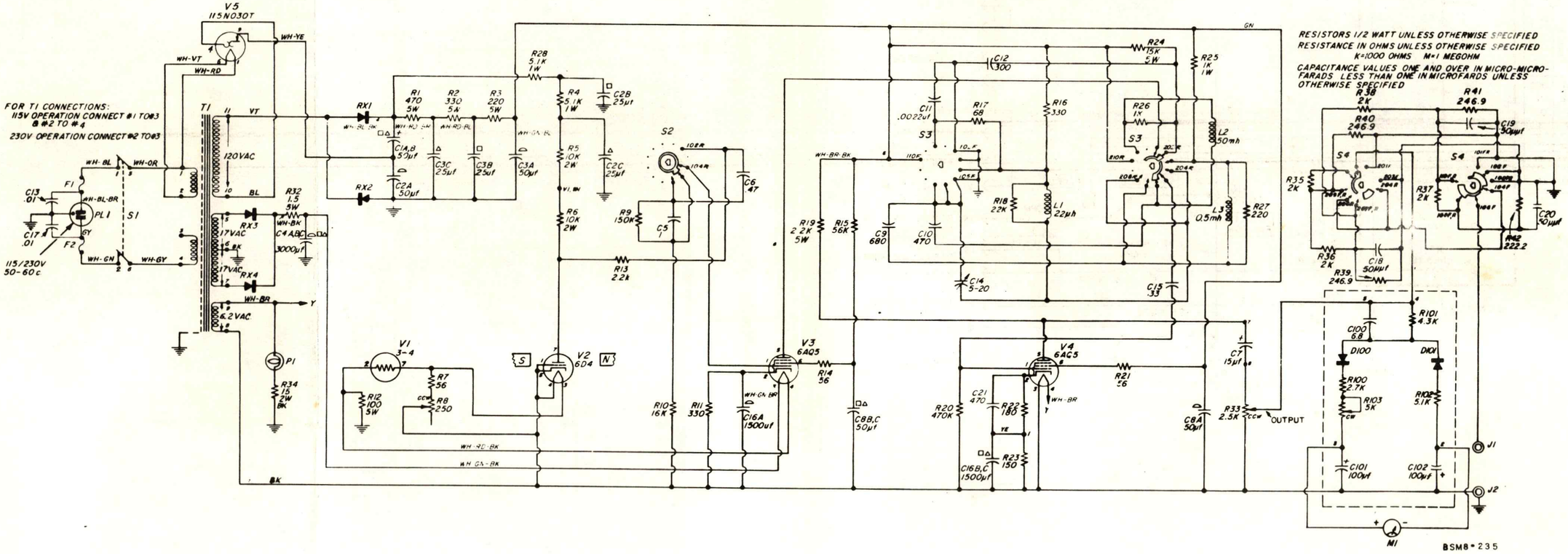
Rotary switch sections are shown as viewed from the panel end of the shaft. The first digit of the contact number refers to the section. The section nearest the panel is 1, the next section back is 2, etc. The next two digits refer to the contact. Contact 01 is the first position clockwise from a strut screw (usually the screw above the locating key), and the other contacts are numbered sequentially (02, 03, 04, etc), proceeding clockwise around the section. A suffix F or R indicates that the contact is on the front or rear of the section, respectively.



POWER
DELAYED ON

OFF

S1 ENGRAVING



RESISTORS 1/2 WATT UNLESS OTHERWISE SPECIFIED
RESISTANCE IN OHMS UNLESS OTHERWISE SPECIFIED
K=1000 OHMS M=1 MEGOHM
CAPACITANCE VALUES ONE AND OVER IN MICRO-MICROFARADS LESS THAN ONE IN MICROFARDS UNLESS OTHERWISE SPECIFIED

BSM8-235

Figure 8-235. General Radio Random Noise Generator

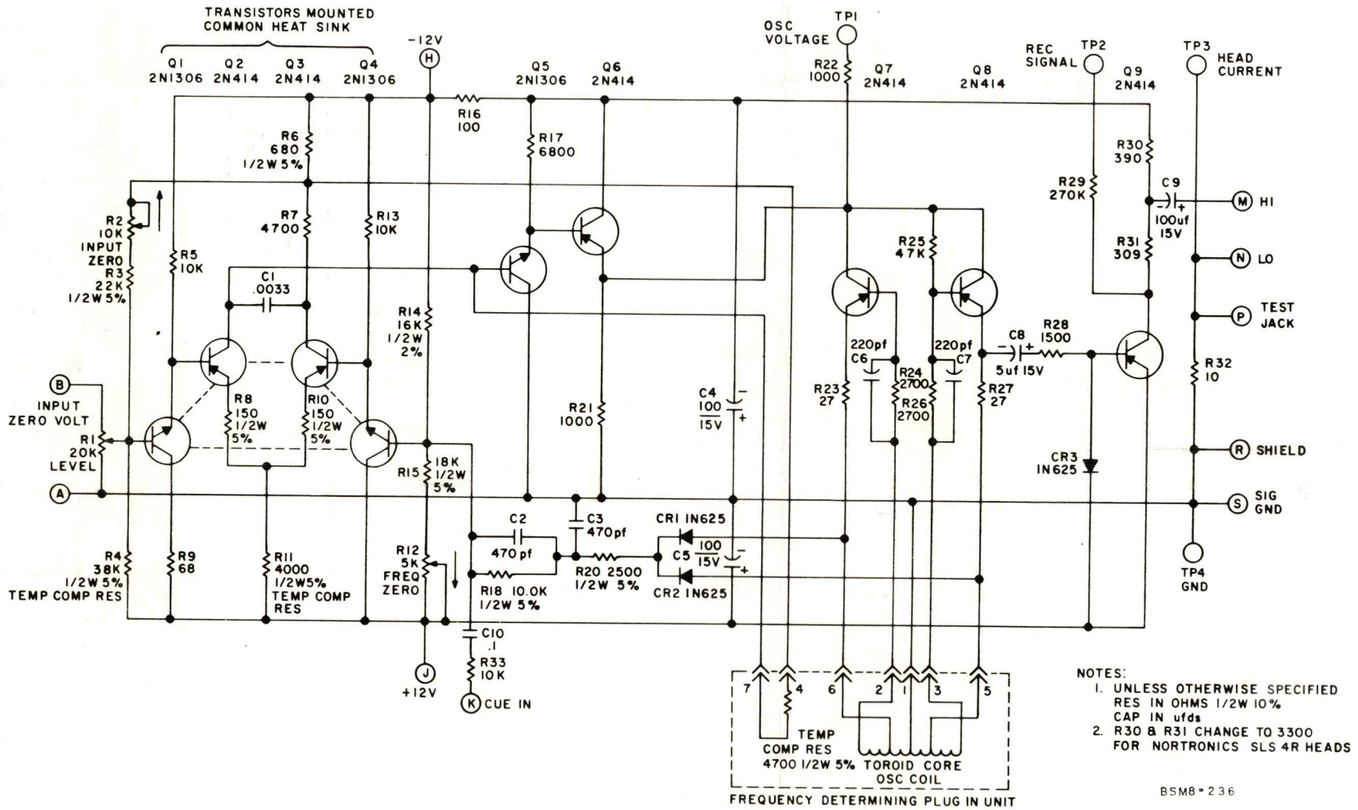
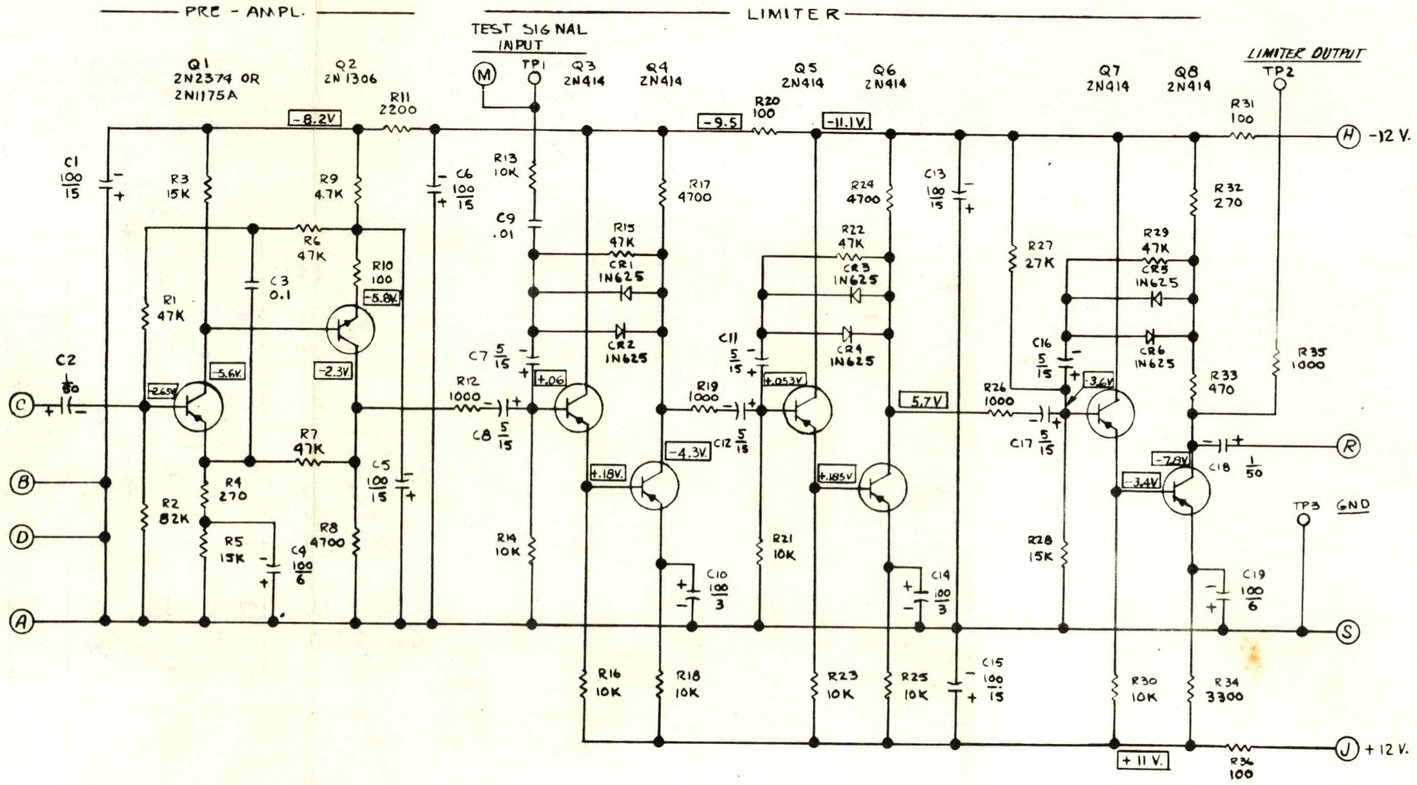


Figure 8-236. KRS MD-2 FM Record

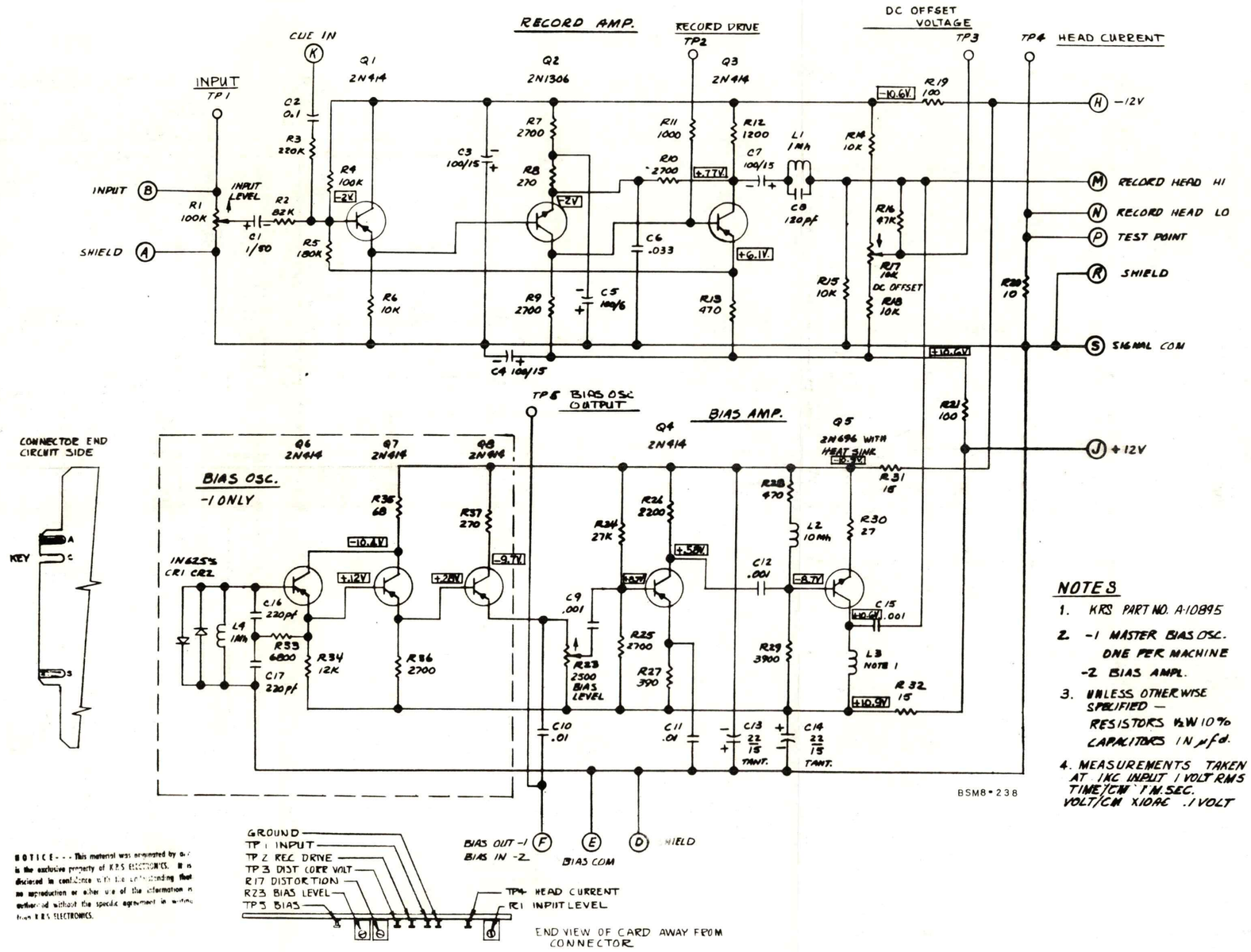


BSM8-237

NOTE

1. UNLESS OTHERWISE NOTED
   RESISTANCE IN OHMS ½W 10%
   CAPACITORS IN μFds.

Figure 8-237. KRS MD-2 Pre-Amplifier/Limiter

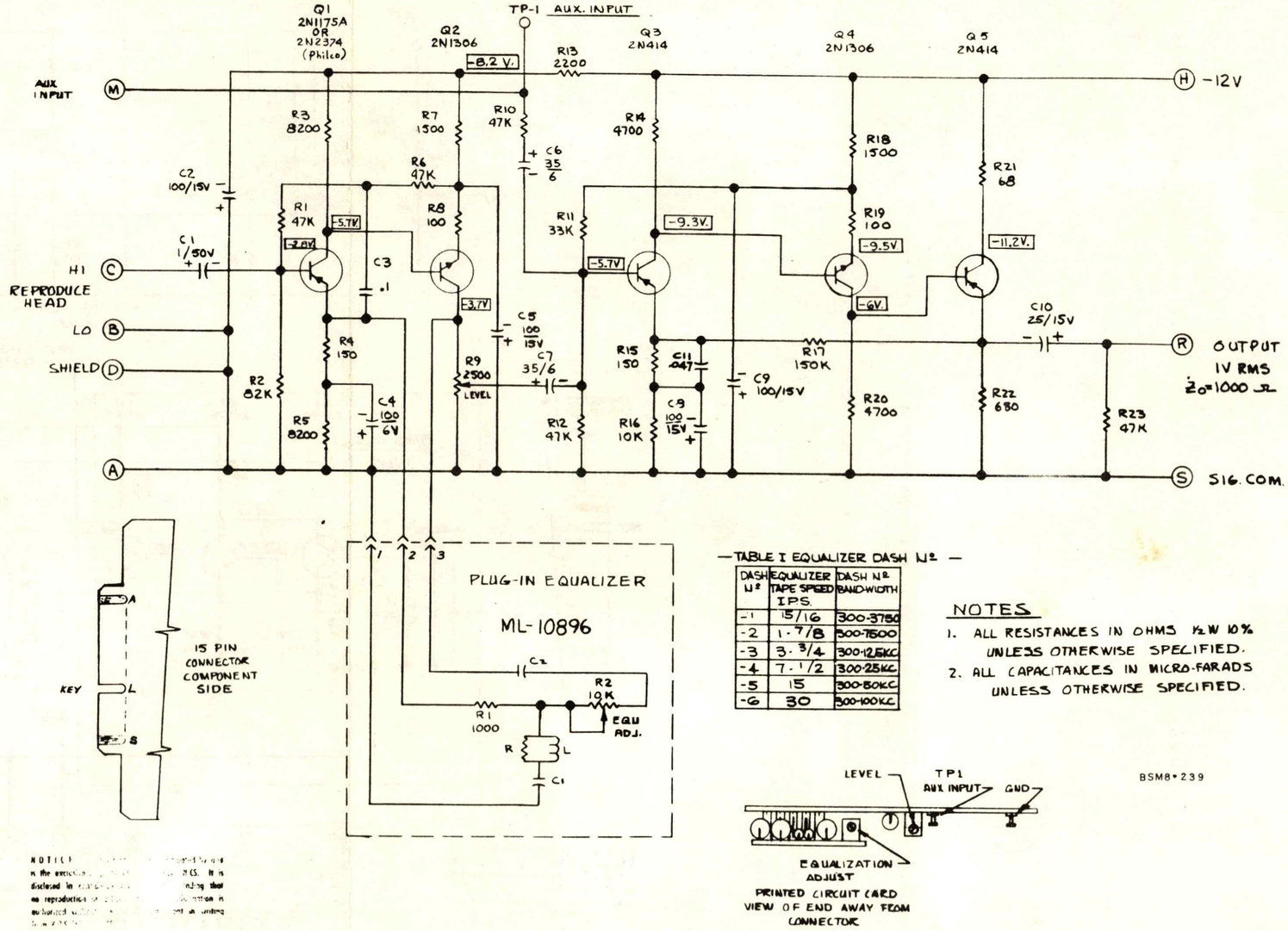


NOTES

1. KRS PART NO. A-10895
2. -1 MASTER BIAS OSC. ONE PER MACHINE
   -2 BIAS AMPL.
3. UNLESS OTHERWISE SPECIFIED — RESISTORS ½W 10% CAPACITORS IN μfd.
4. MEASUREMENTS TAKEN AT 1KC INPUT 1 VOLT RMS TIME/CM 1 M.SEC. VOLT/CM X10AC .1 VOLT

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Figure 8-238. KRS MD-2 Direct Record



NOTICE
is the exclusive property of KRS. It is disclosed in confidence, and that no reproduction or publication is authorized without the prior written

Figure 8-239. KRS MD-2 Direct Reproduce

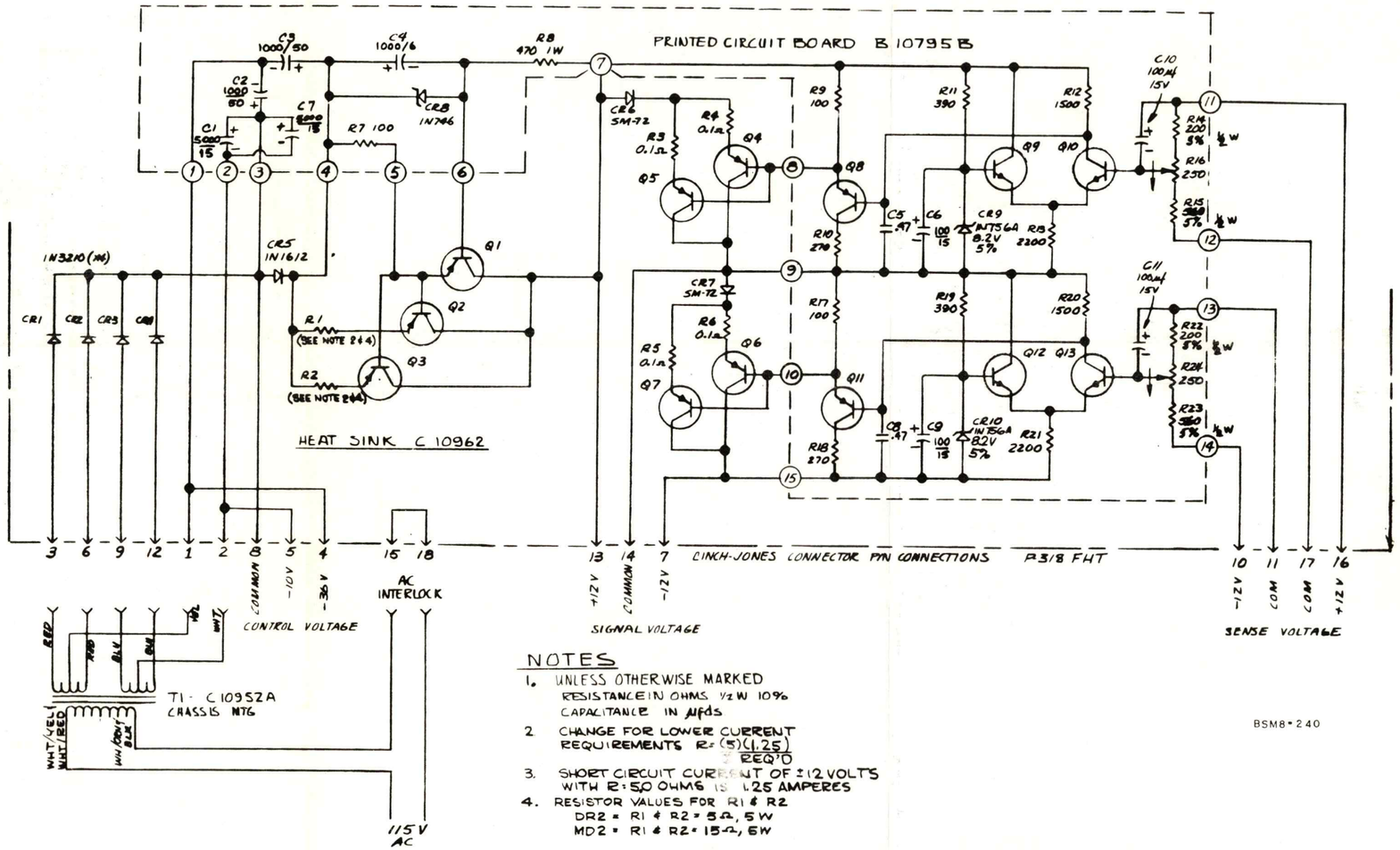
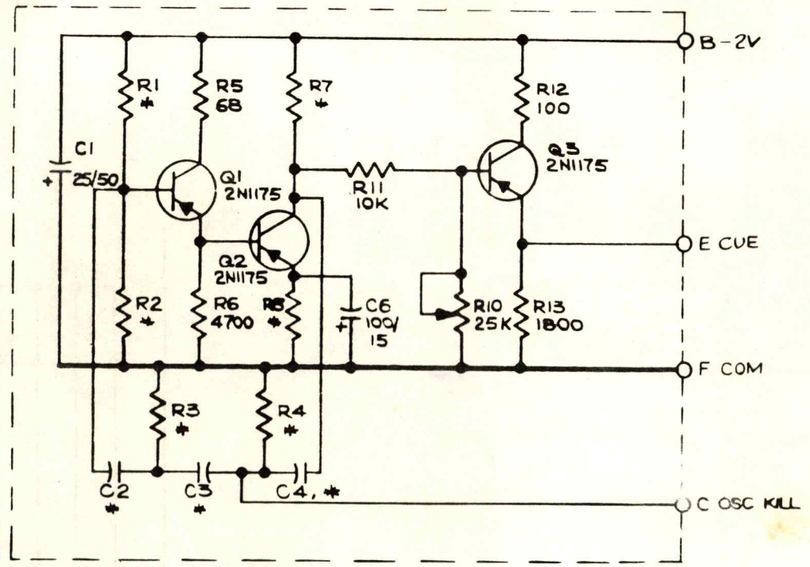


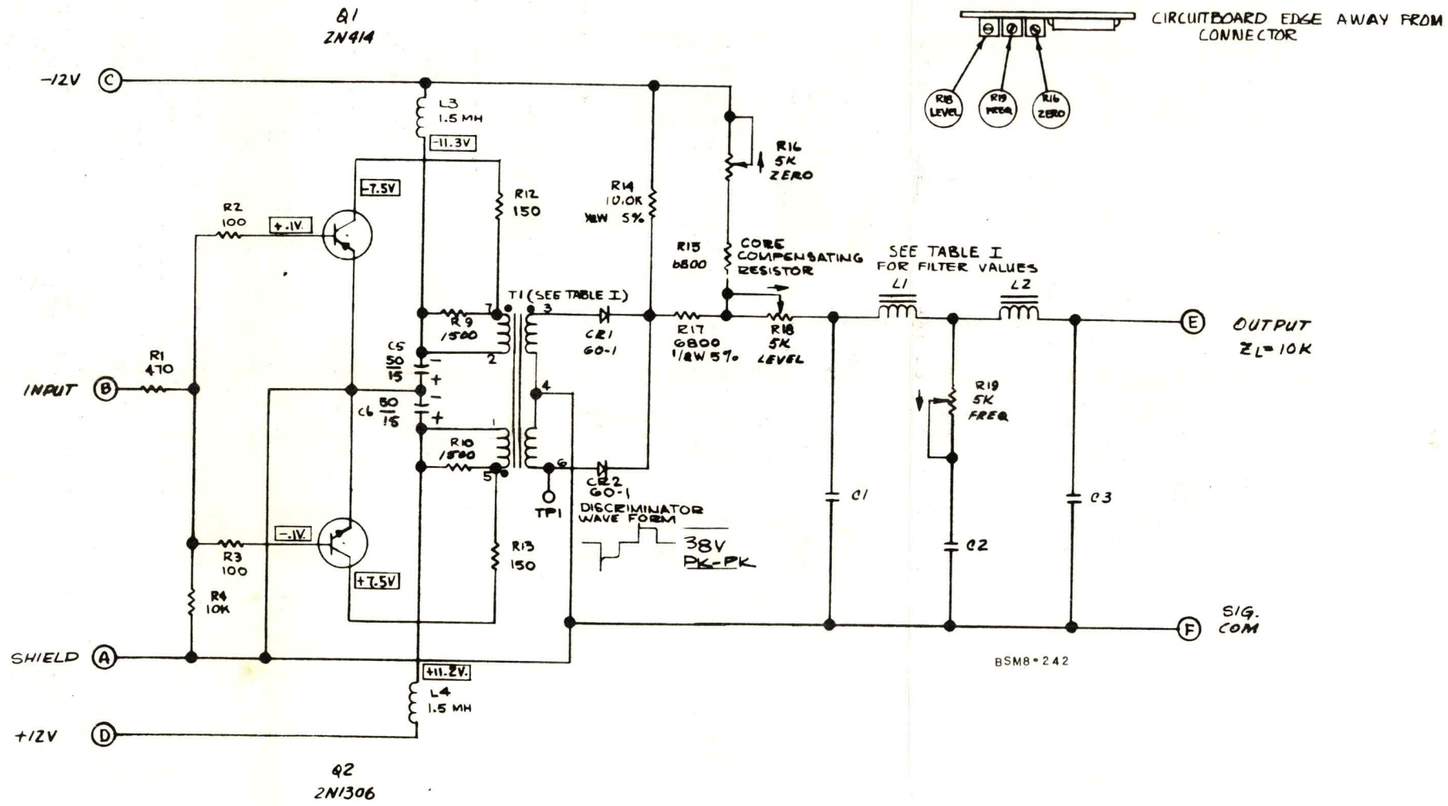
Figure 8-240. KRS MD-2 Power Supply



BSM8-241

NOTES:
1. * = SEE TABLE FOR VALUES.
2. ALL RES. ARE IN OHMS, 1/2 W, 10%
3. ALL CAP. ARE IN MFD & VOLTS

Figure 8-241. KRS MD-2 Cue Oscillator



NOTE

1. UNLESS OTHERWISE NOTED
   RESISTORS IN OHMS KW 10%
   CAPACITORS IN μfds.

Figure 8-242. KRS MD-2 FM Discriminator/Filter

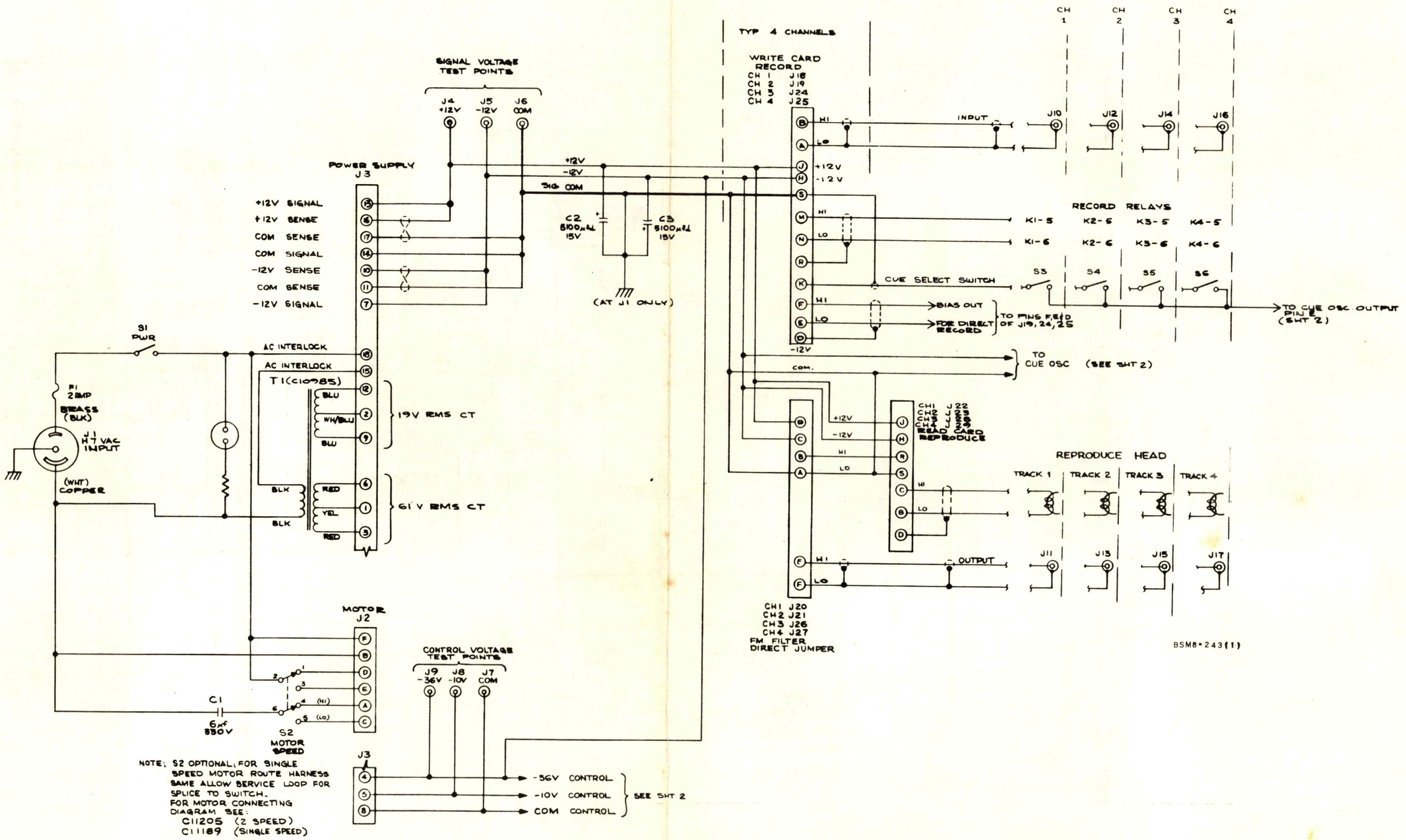


Figure 8-243. KRS MD-2 Instrumentation (Sheet 1 of 2)

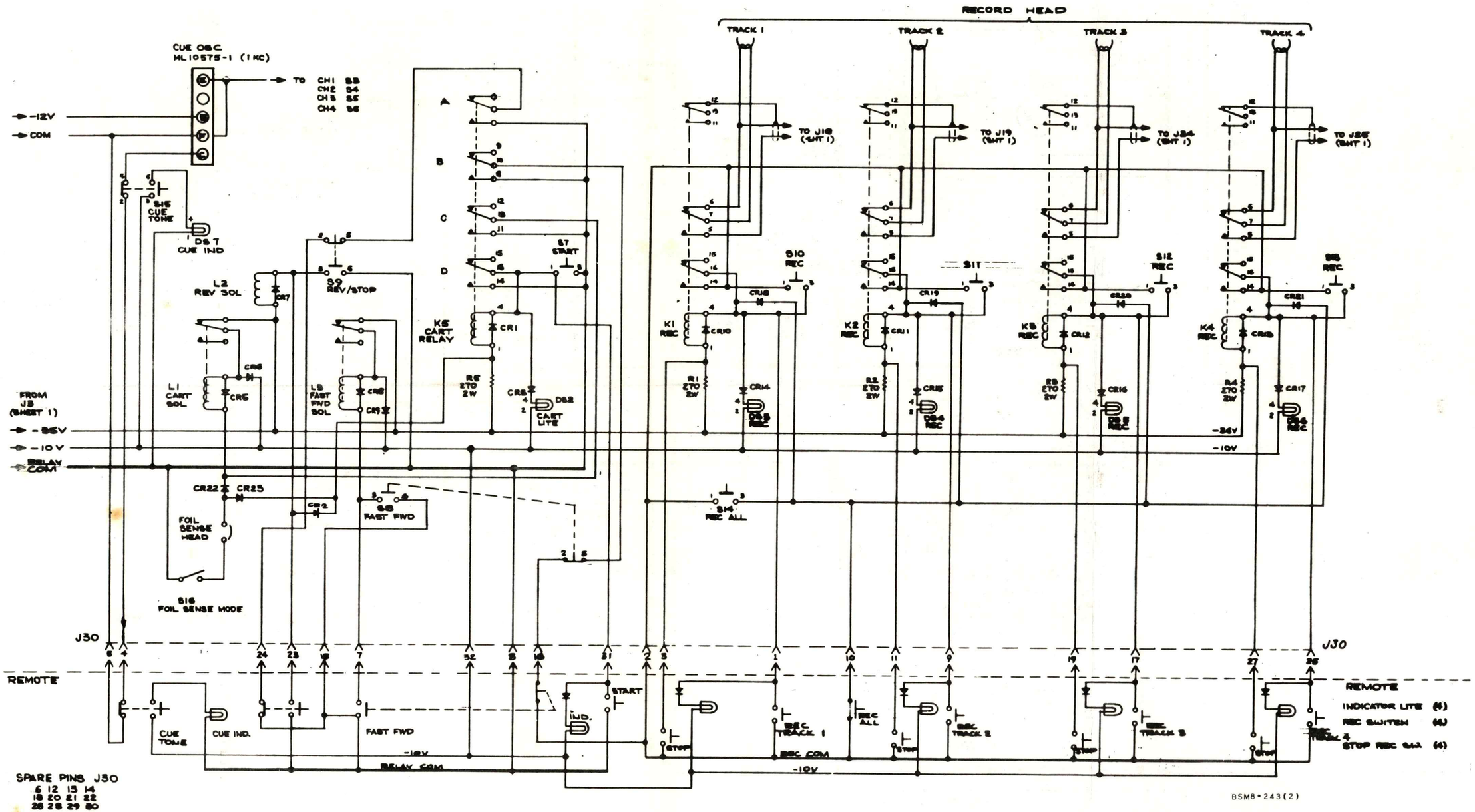


Figure 8-243. KRS MD-2 Instrumentation (Sheet 2 of 2)

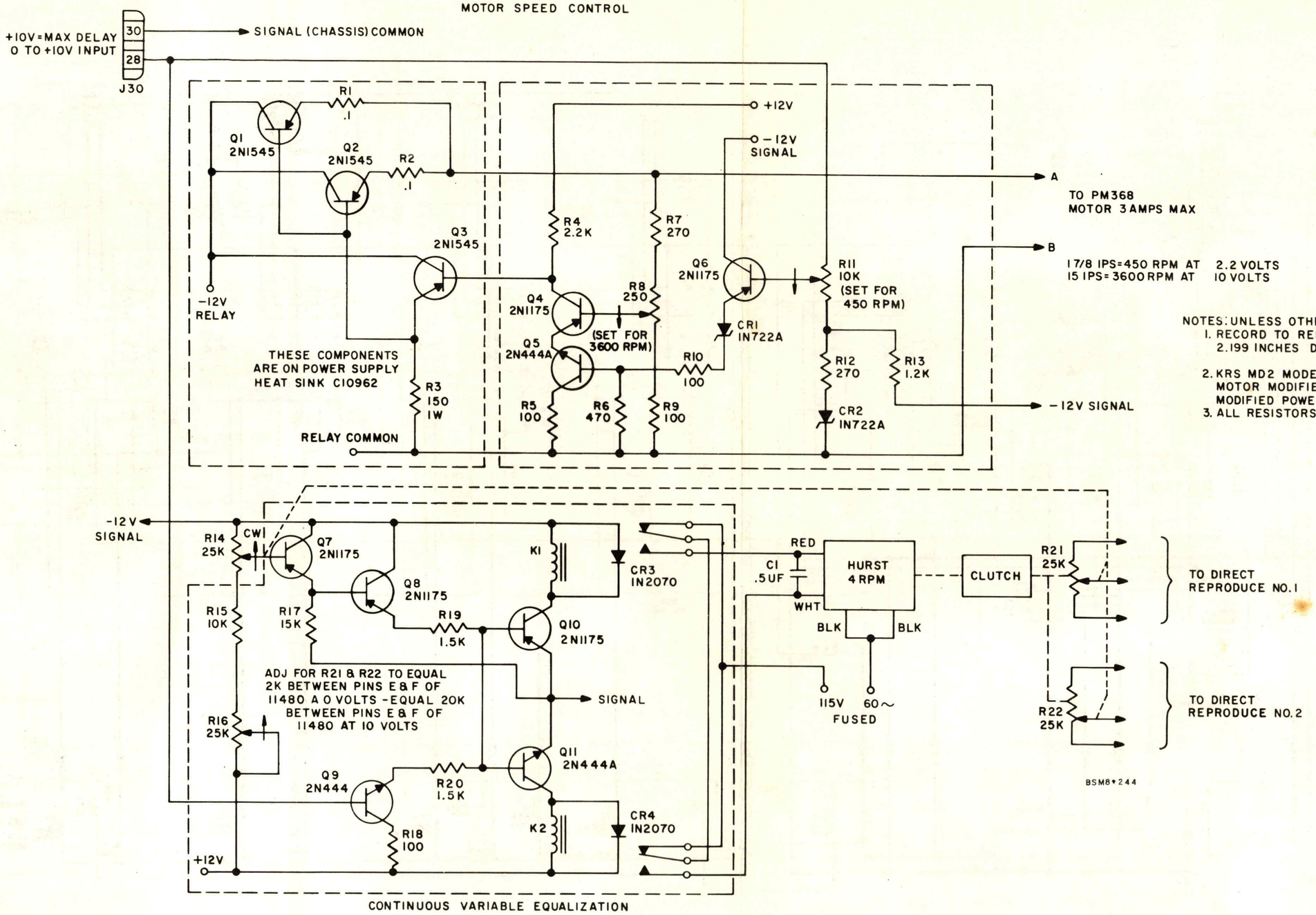


Figure 8-244. KRS MD-2 Variable Speed Control

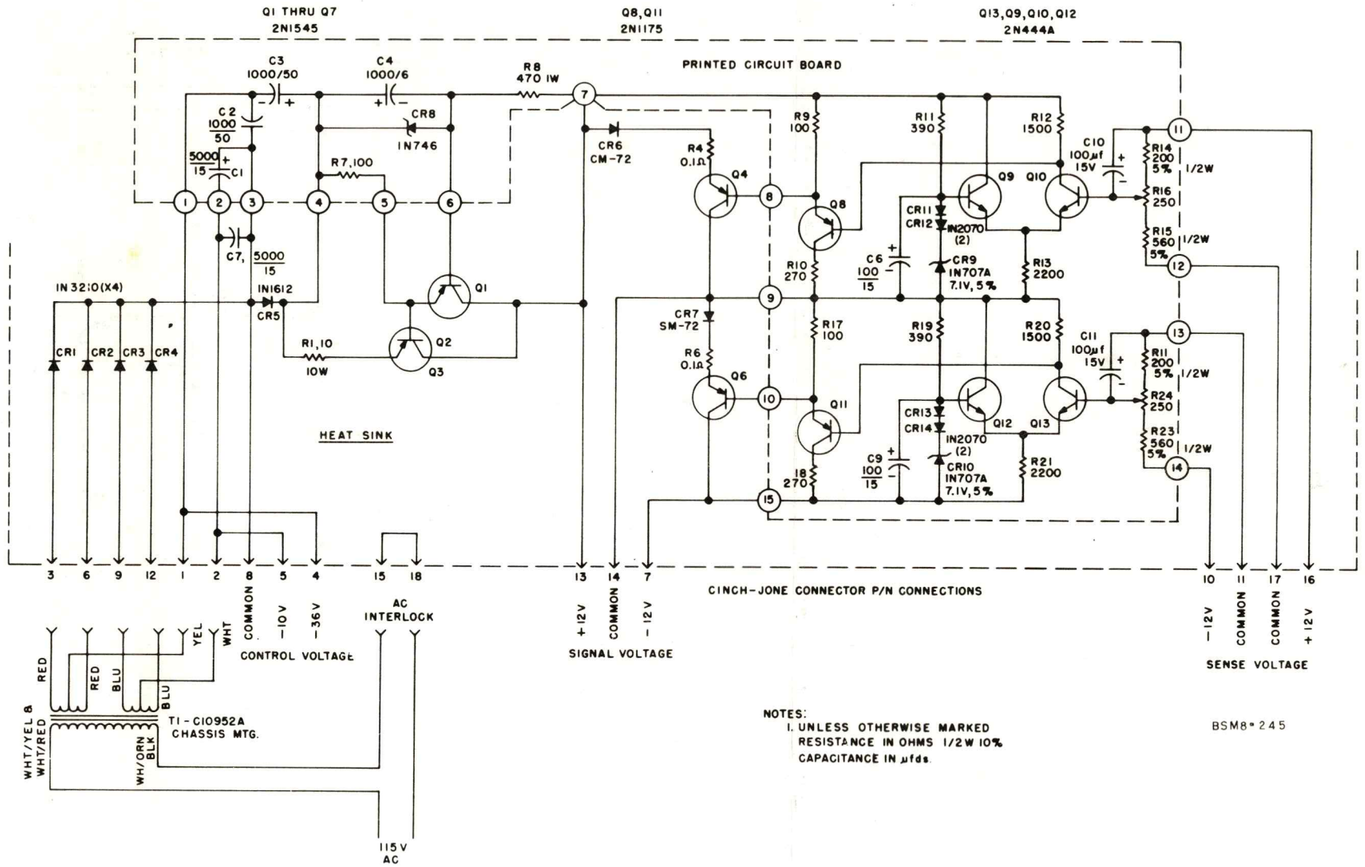


Figure 8-245. KRS MD-2 Power Supply (Mod.)

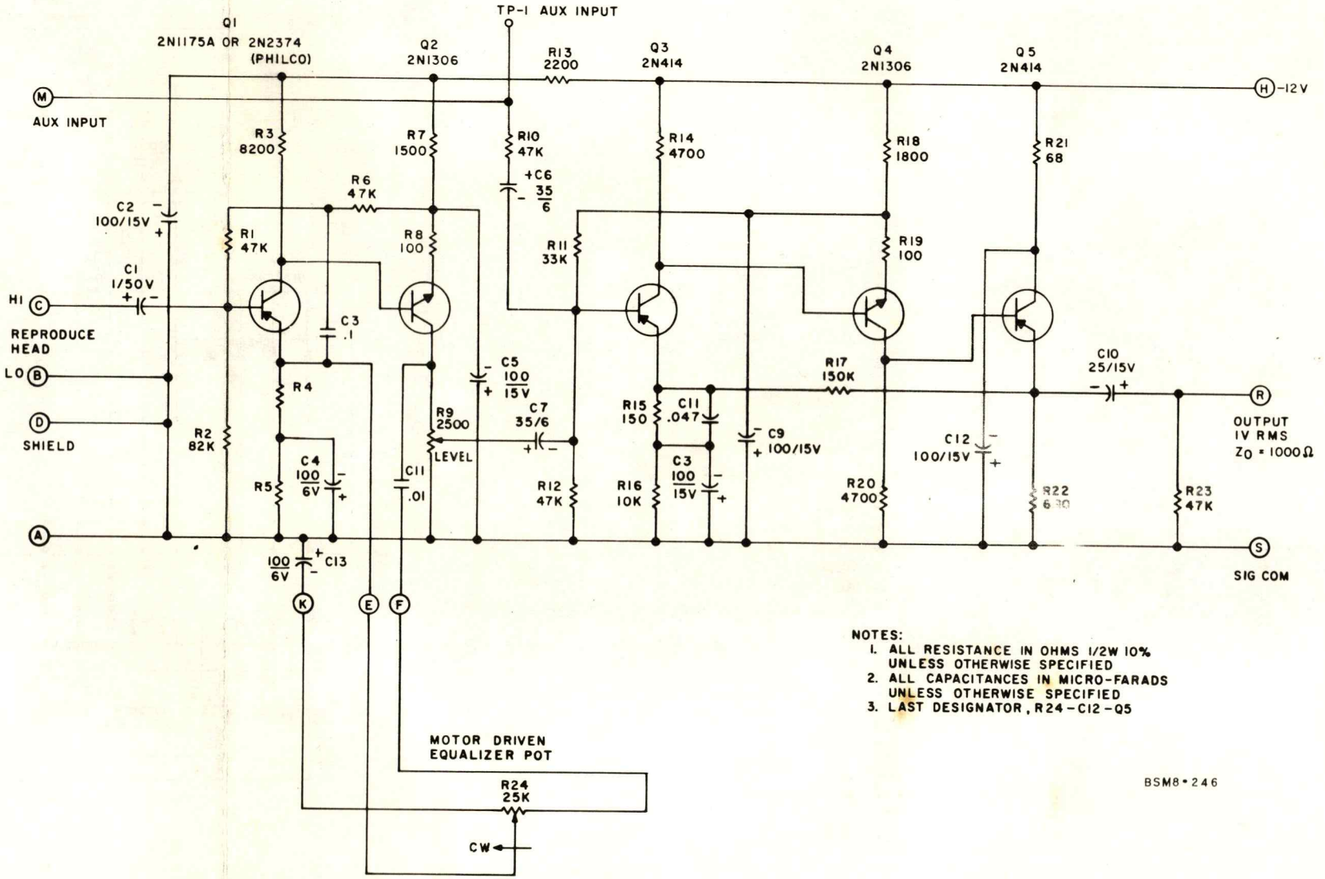


Figure 8-246. KRS MD-2 Direct Reproduce (Mod.)

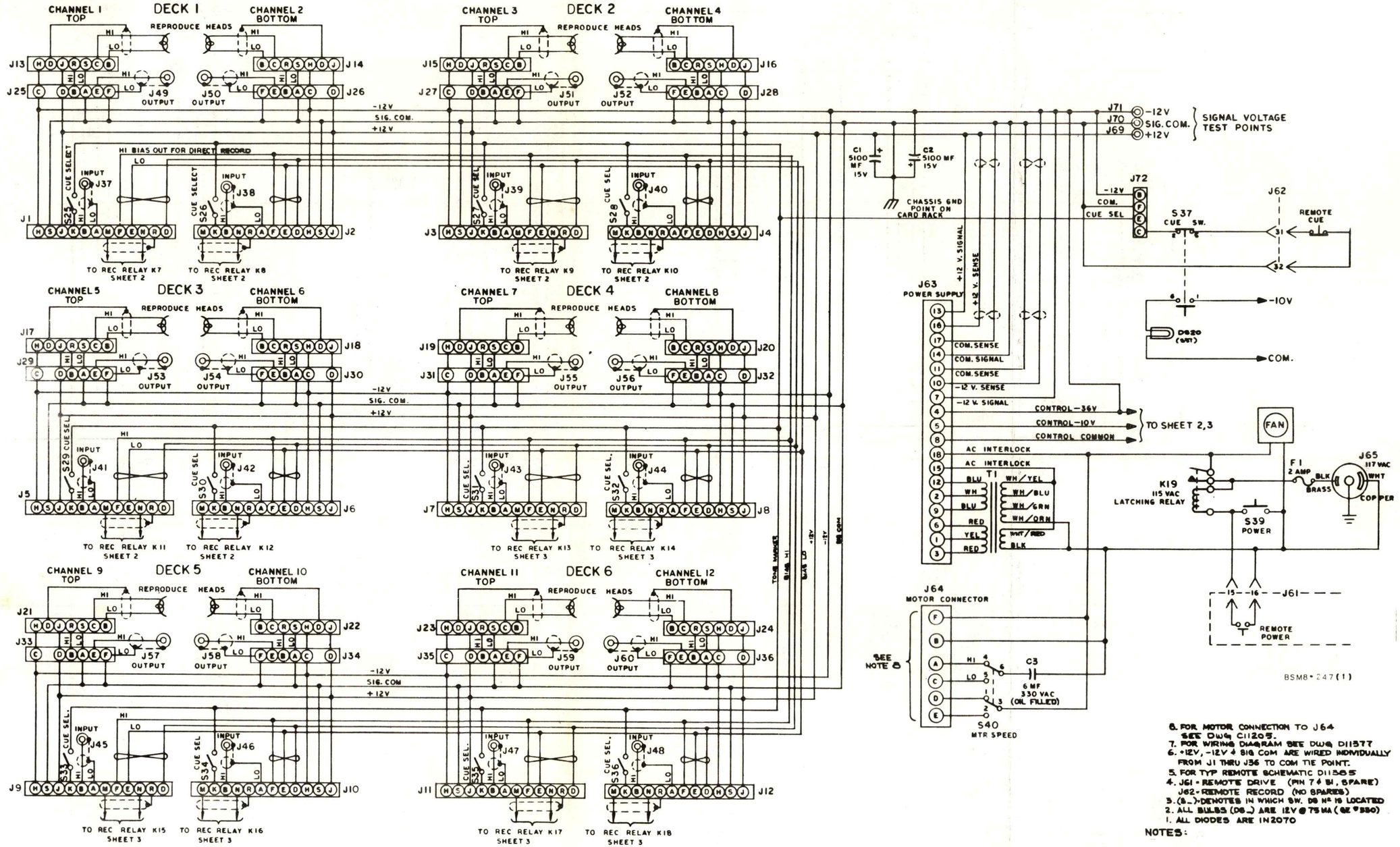


Figure 8-247. KRS DR-2 Instrumentation (Sheet 1 of 3)

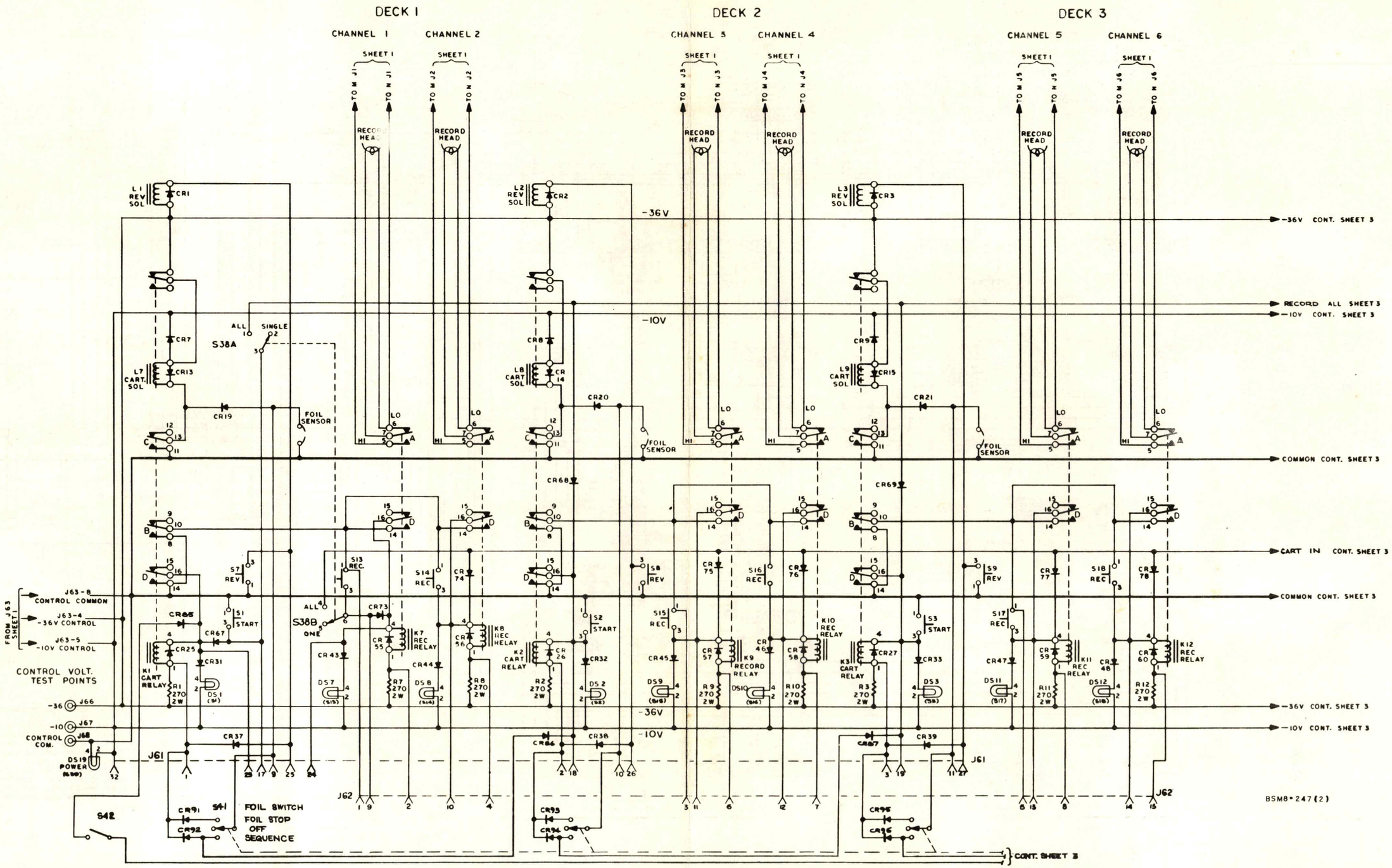


Figure 8-247. KRS DR-2 Instrumentation (Sheet 2 of 3)

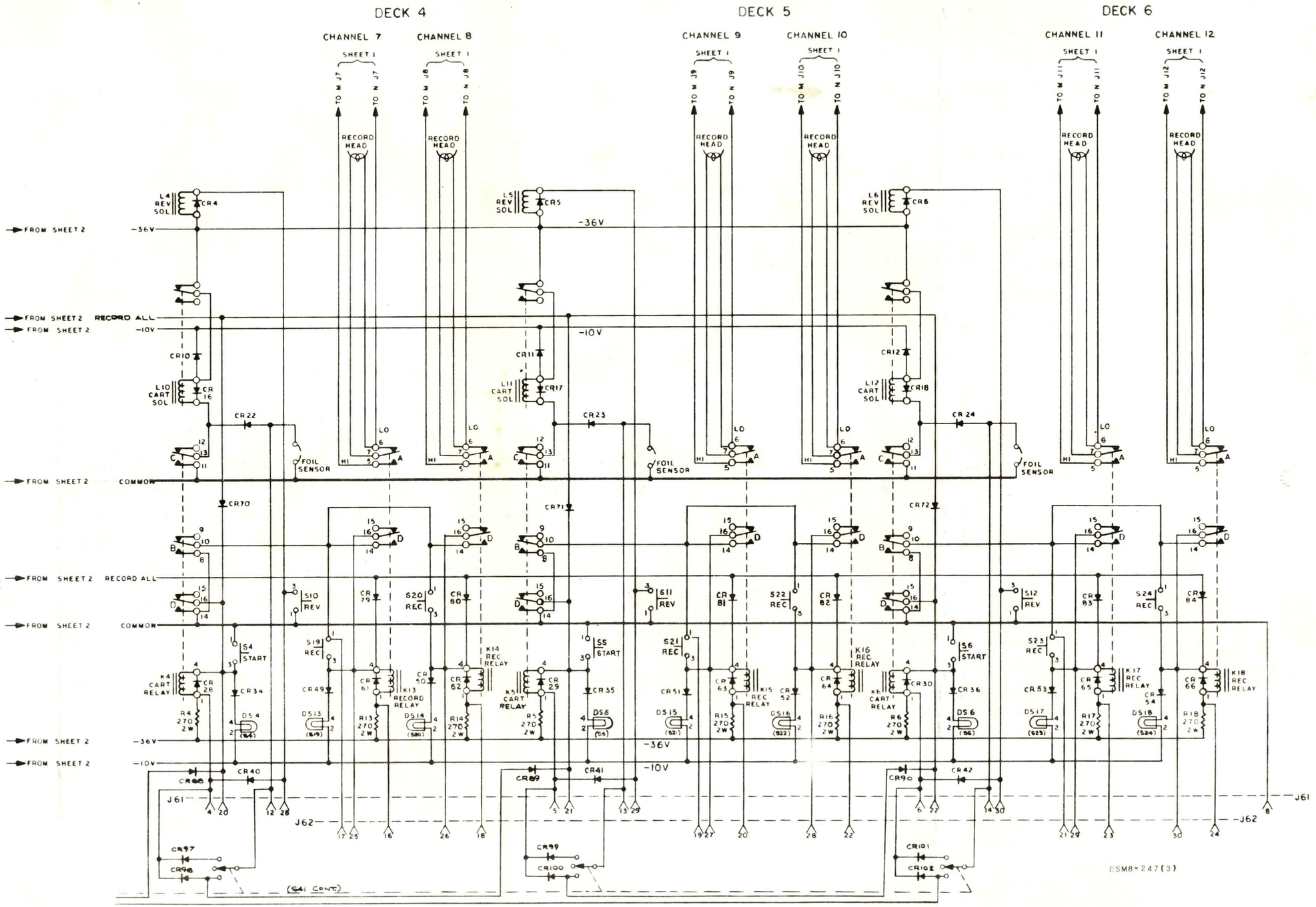


Figure 8-247. KRS DR-2 Instrumentation (Sheet 3 of 3)

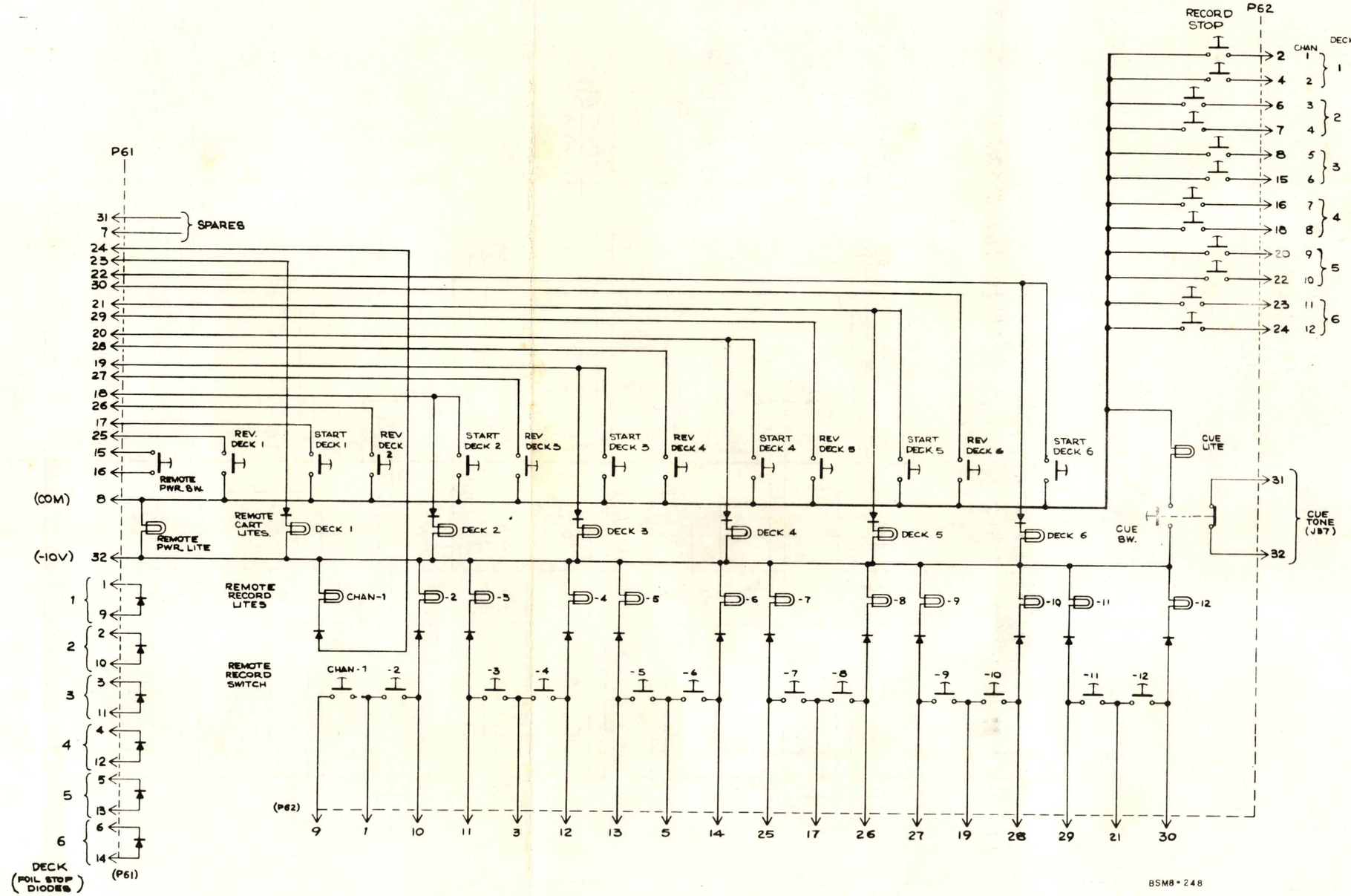
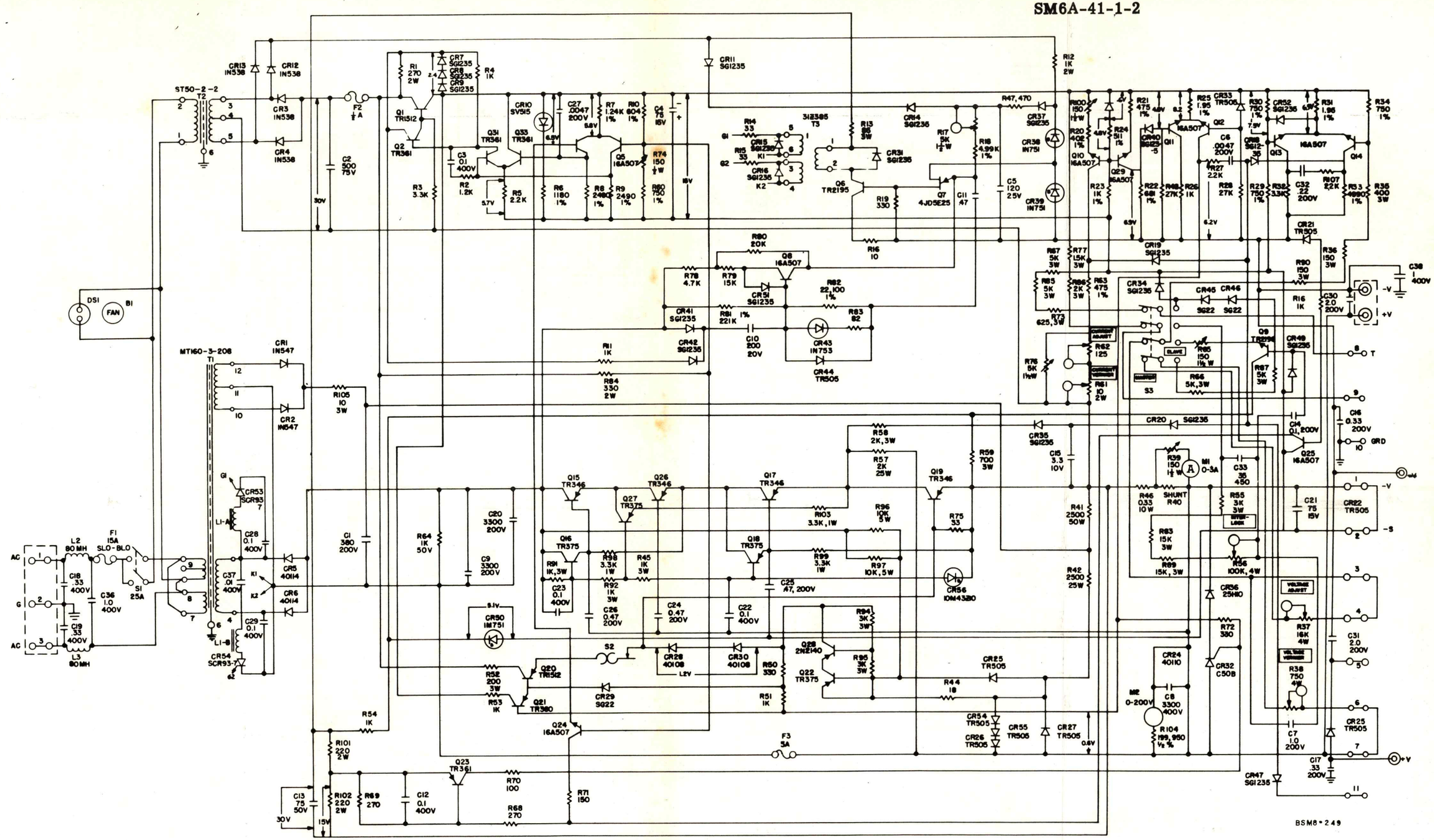


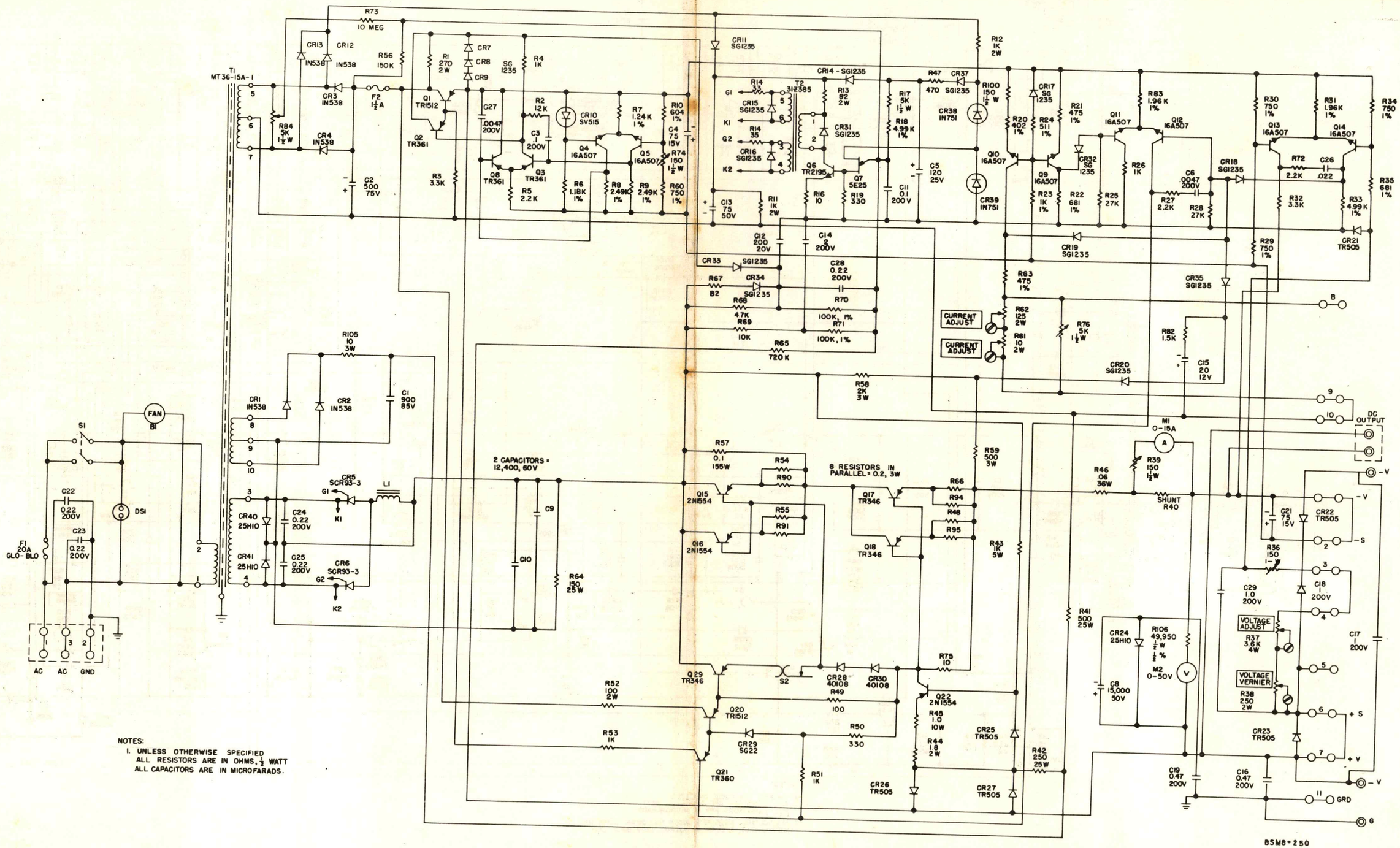
Figure 8-248. KRS DR-2 Remate Circuit



NOTES:

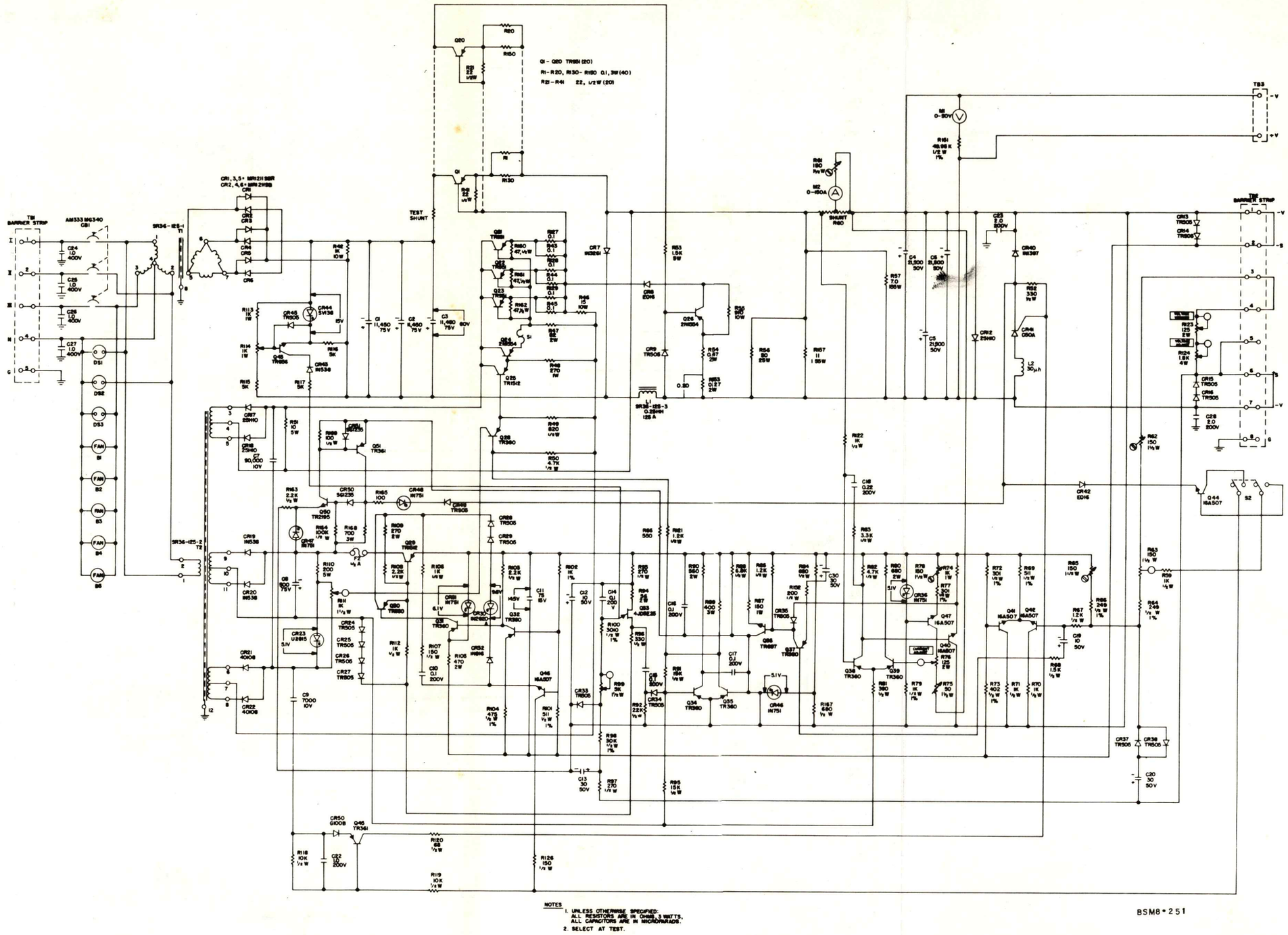
1. UNLESS OTHERWISE INDICATED:
   ALL RESISTORS ARE IN OHMS, ½ WATT,
   ALL CAPACITORS ARE IN MICROFARADS.
2. ALL VOLTAGES MEASURED UNDER FOLLOWING CONDITIONS:
   160V OUTPUT, 0 CURRENT OUTPUT, 120V INPUT LINE.

Figure 8-249. Trygon Power Supply Model M160-3 AOV S839



NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL RESISTORS ARE IN OHMS, ½ WATT ALL CAPACITORS ARE IN MICROFARADS.

Figure 8-250. Trygon Power Supply Model M36-15A S991



NOTES
1. UNLESS OTHERWISE SPECIFIED: ALL RESISTORS ARE IN OHMS, 3 WATTS. ALL CAPACITORS ARE IN MICROFARADS.
2. SELECT AT TEST.

Figure 8-251. Trygon Power Supply Model SR36-125 OV S863

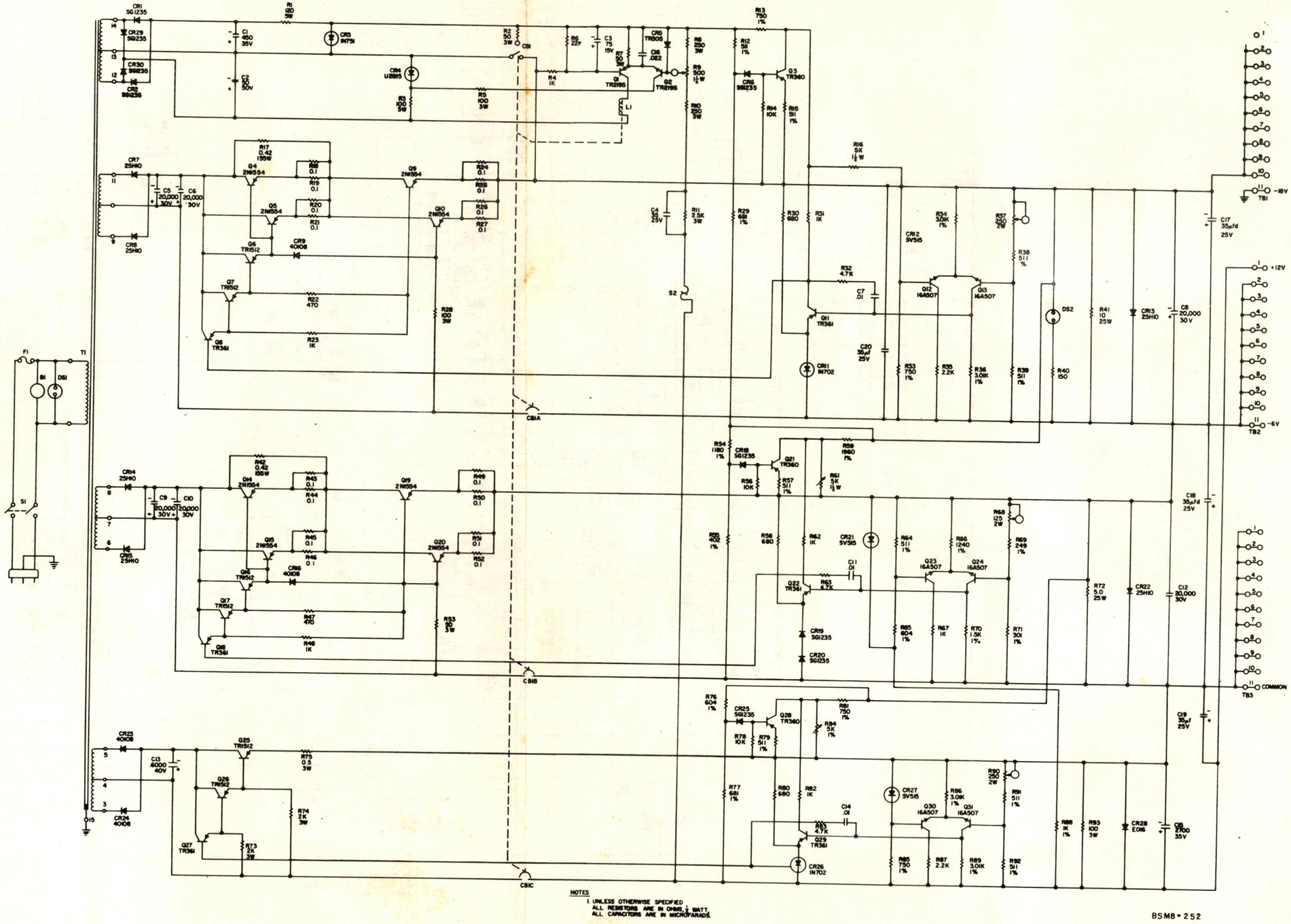


Figure 8-252. Trygon Power Supply Model TRP-32 S1001 LR

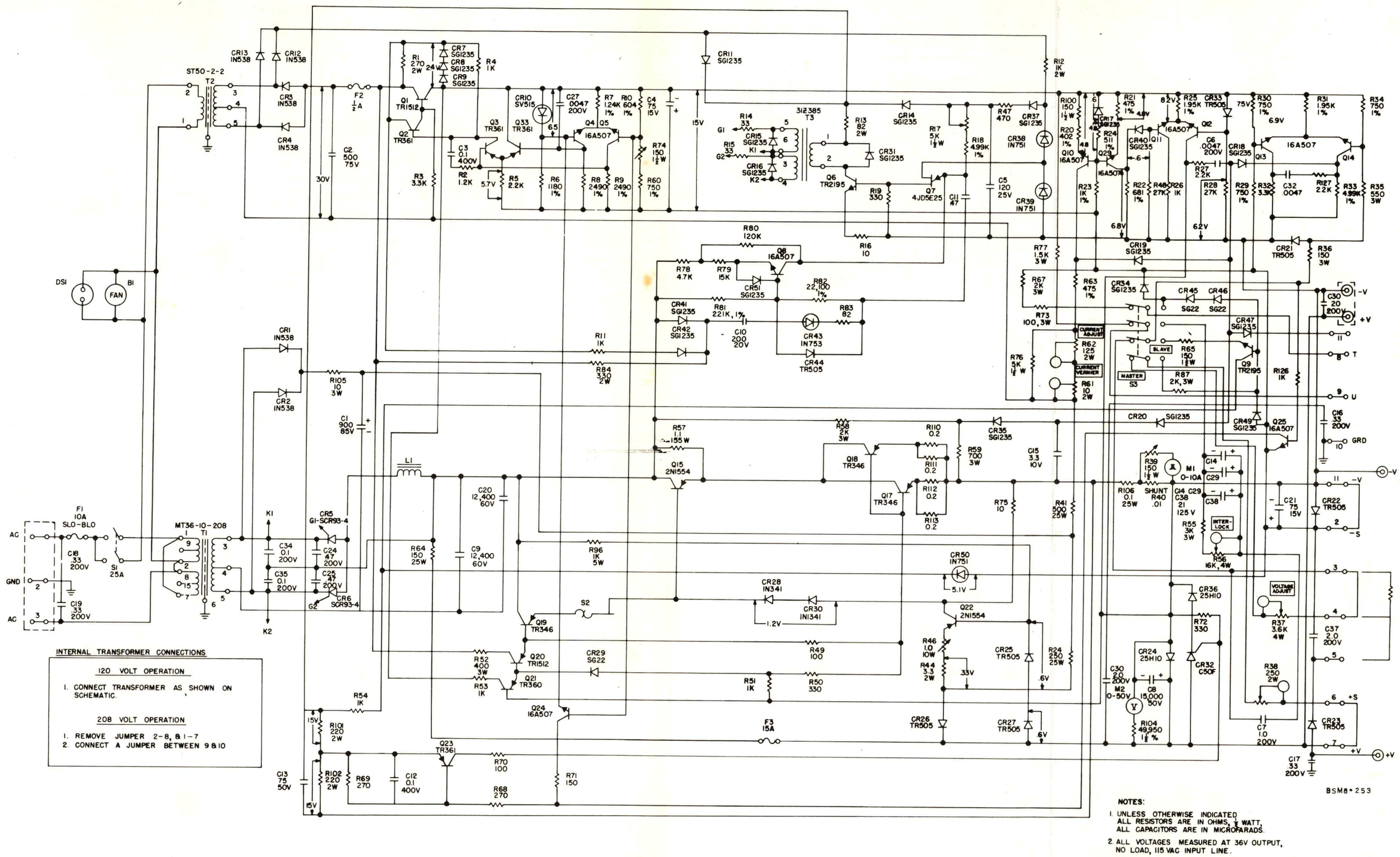


Figure 8-253. Trygon Power Supply Model M36-10 AOV S838

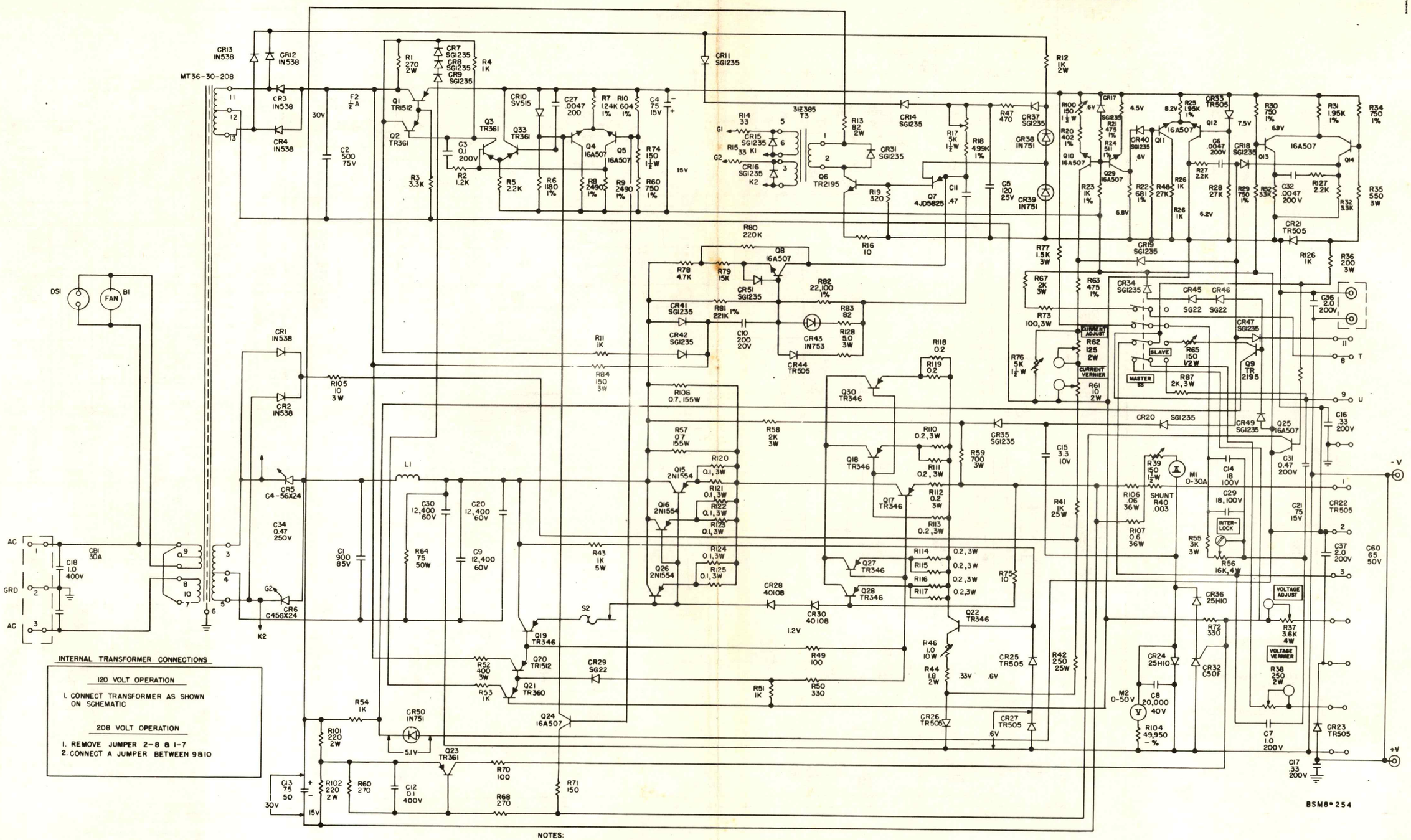
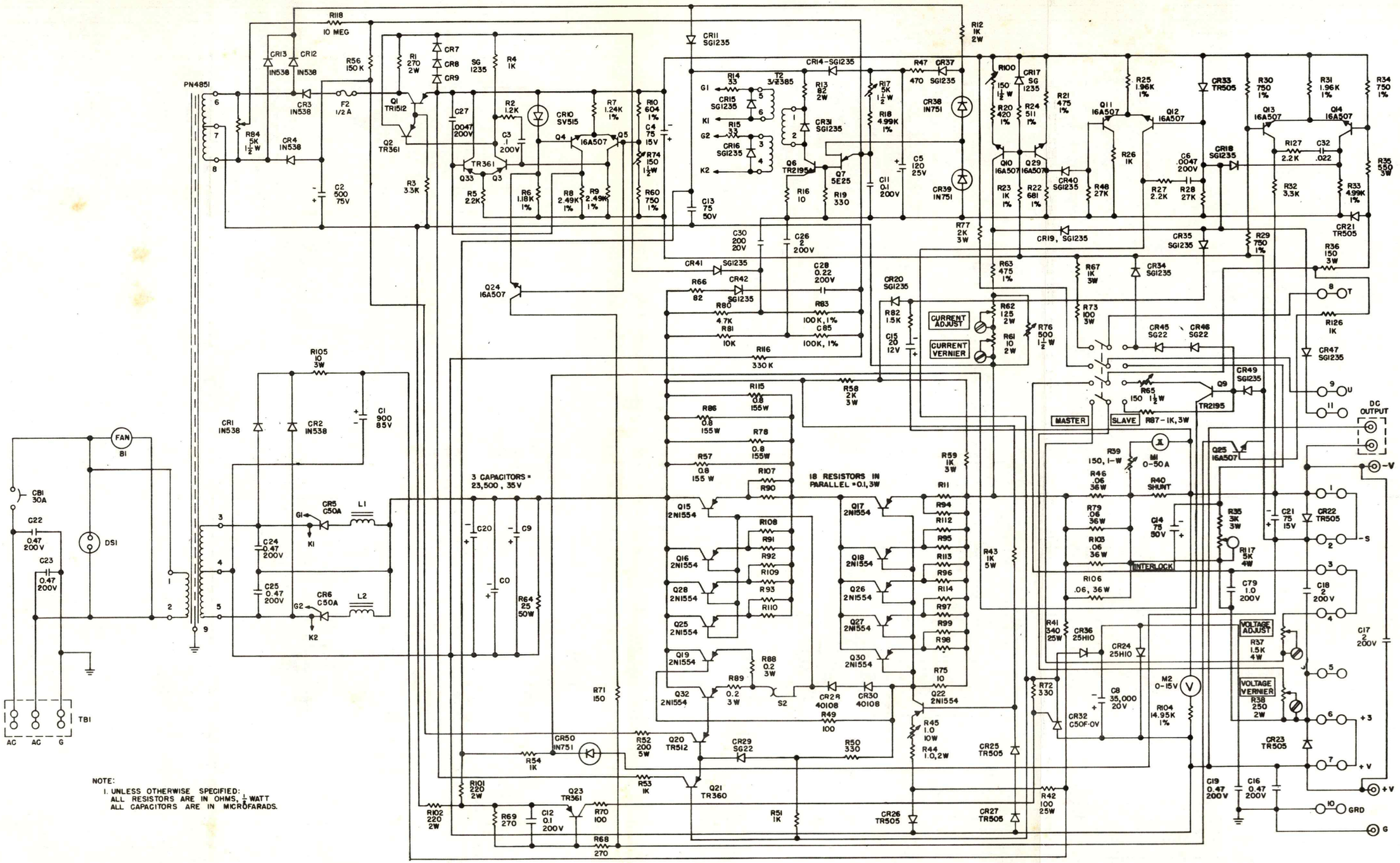


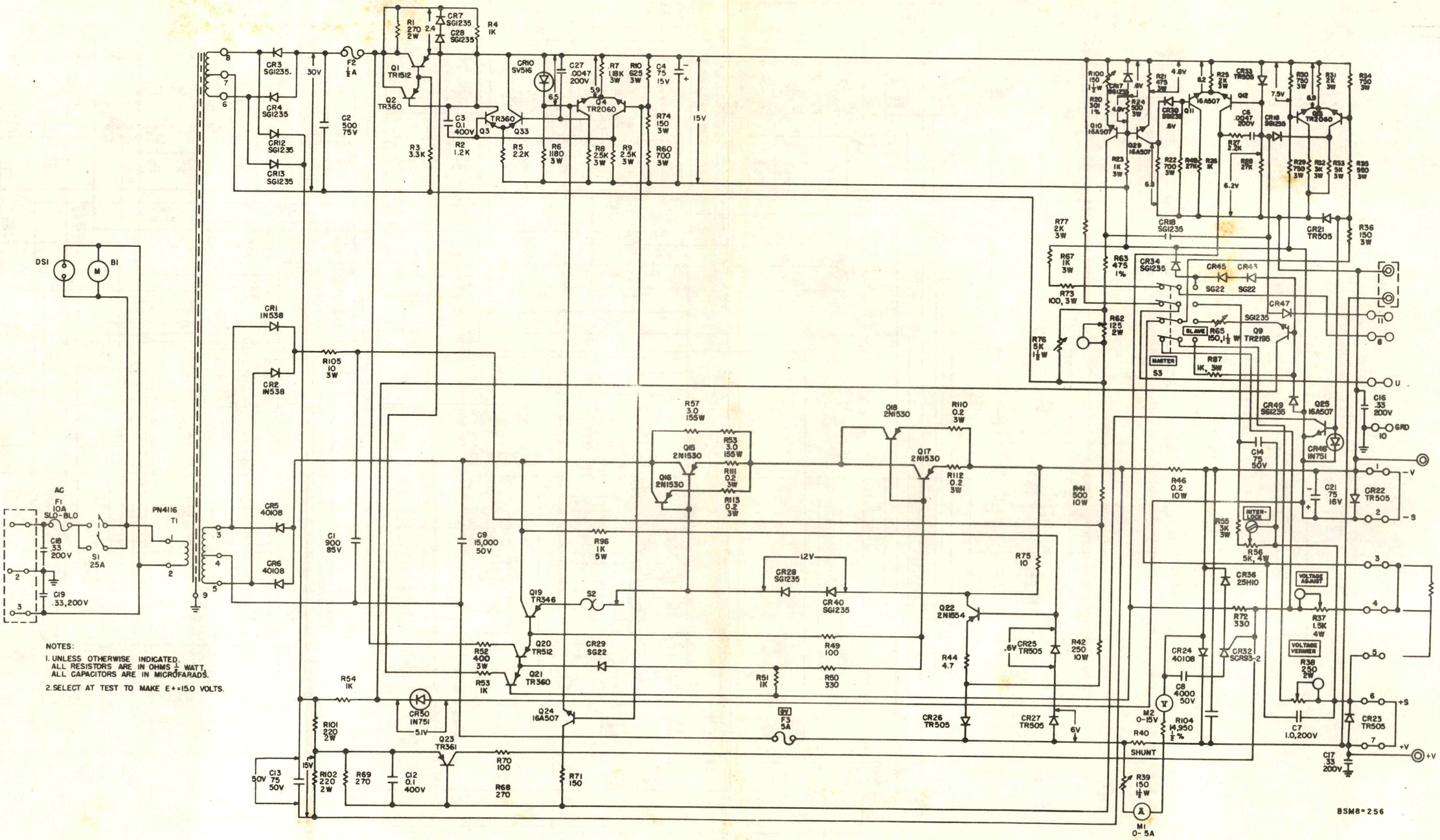
Figure 8-254. Trygon Power Supply Model M36-30 AOV S840



NOTE:
1. UNLESS OTHERWISE SPECIFIED:
ALL RESISTORS ARE IN OHMS, 1/2 WATT
ALL CAPACITORS ARE IN MICROFARADS.

DSM8-255

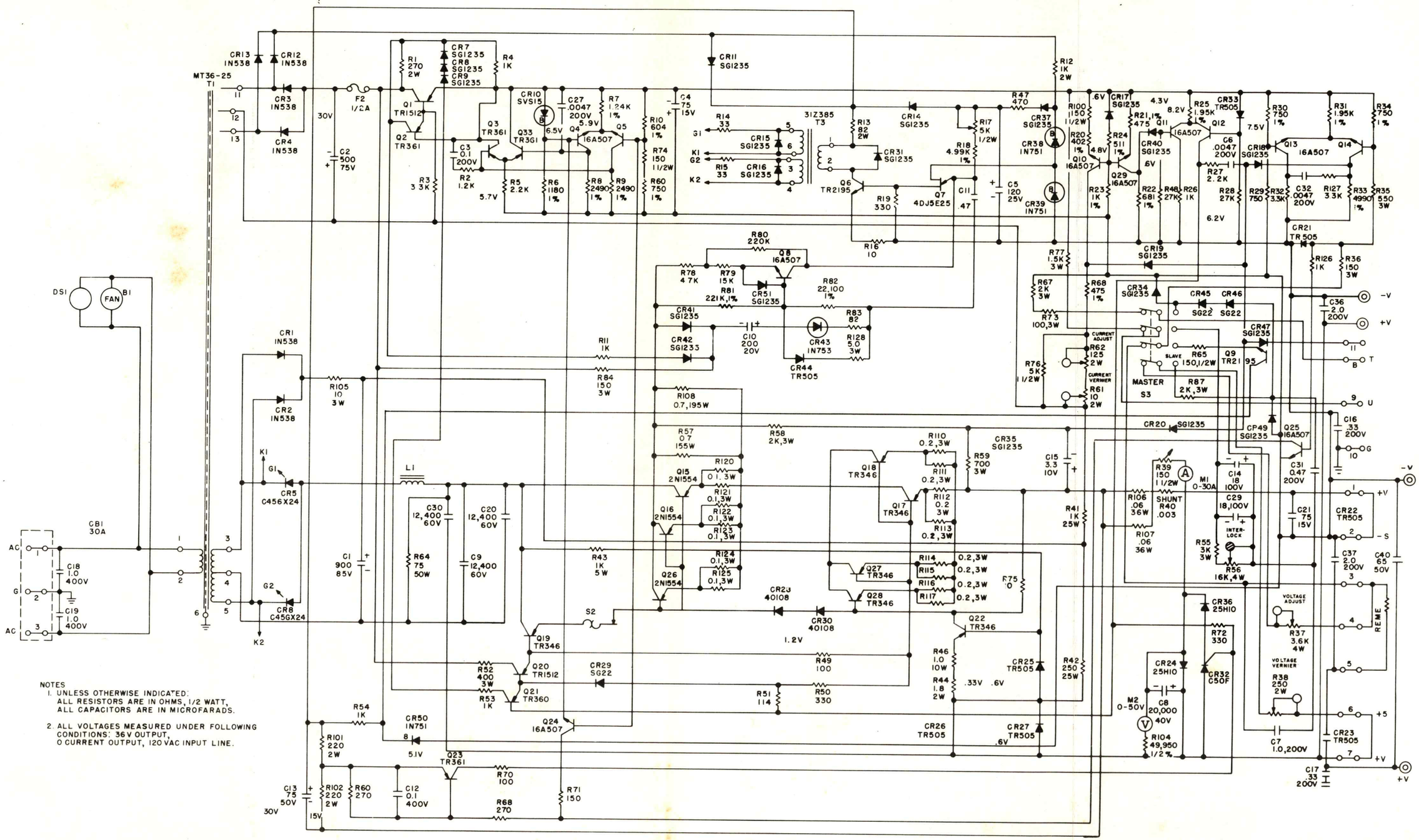
Figure 8-255. Trygon Power Supply Model M15-50 AOV S861



NOTES:

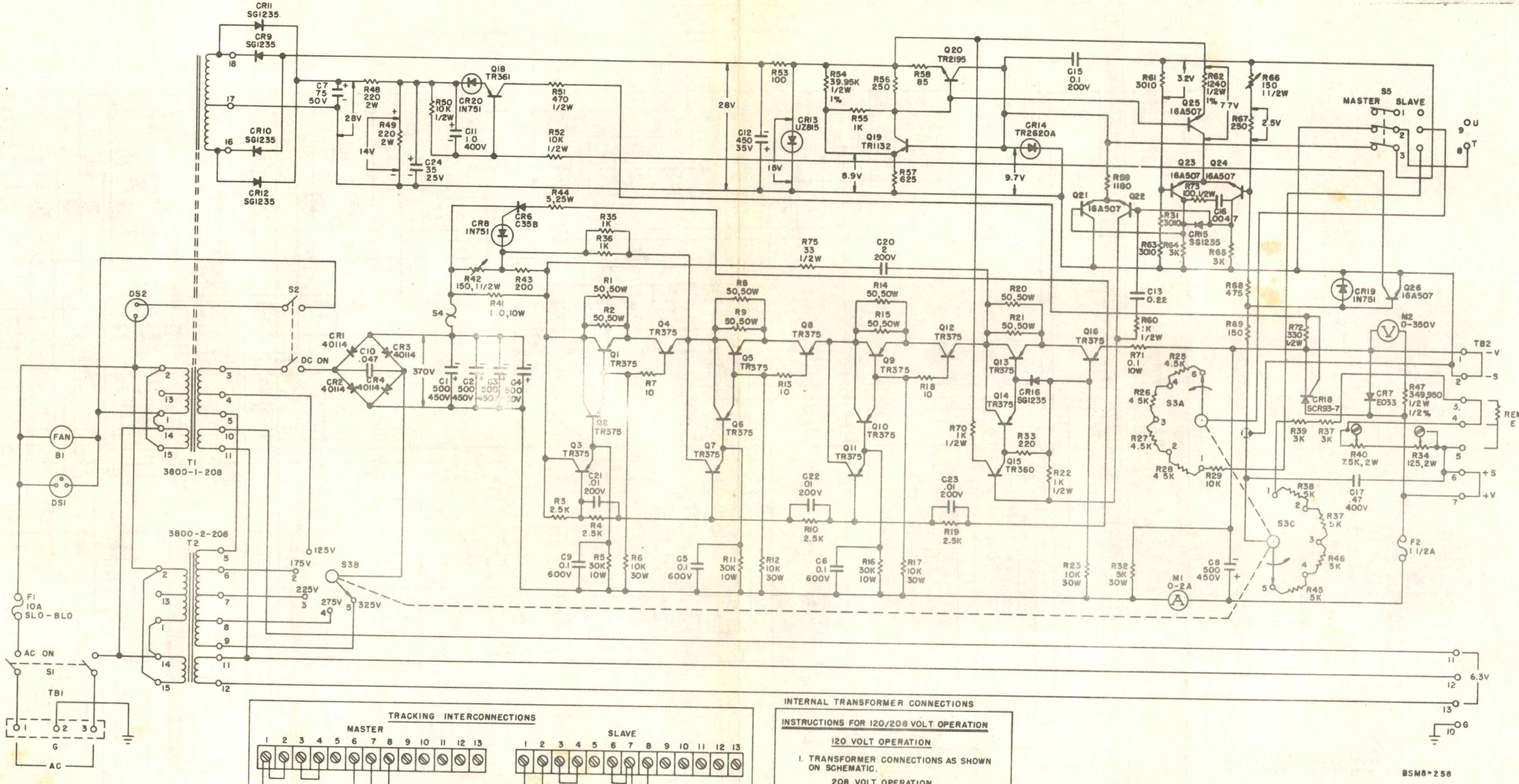
1. UNLESS OTHERWISE INDICATED.
   ALL RESISTORS ARE IN OHMS ± WATT.
   ALL CAPACITORS ARE IN MICROFARADS.
2. SELECT AT TEST TO MAKE E+=15.0 VOLTS.

Figure 8-256. Trygon Power Supply Model M15-5 AOVX S858

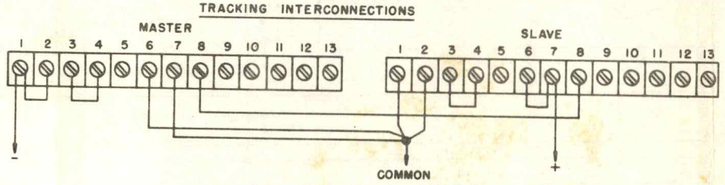


NOTES
1. UNLESS OTHERWISE INDICATED:
   ALL RESISTORS ARE IN OHMS, 1/2 WATT,
   ALL CAPACITORS ARE IN MICROFARADS.
2. ALL VOLTAGES MEASURED UNDER FOLLOWING CONDITIONS: 36V OUTPUT, 0 CURRENT OUTPUT, 120 VAC INPUT LINE.

Figure 8-257. Trygon Power Supply Model M36-25 AOV S860



TRACKING INTERCONNECTIONS



1. CONNECT AS SHOWN.
2. SET MASTER-SLAVE SWITCHES TO APPROPRIATE.
3. SET RANGE SWITCHES ON BOTH UNITS TO DESIRED VOLTAGE RANGE.
4. ADJUST MASTER TO DESIRED VOLTAGE.
5. ADJUST SLAVE VOLTAGE TO EQUAL MASTER VOLTAGE.
6. UNITS WILL TRACK OVER VERNIER RANGE AND CAN BE ADJUSTED FROM MASTER.
7. REPEAT STEPS 4 AND 5 AFTER SWITCHING TO A DIFFERENT VOLTAGE RANGE.

INTERNAL TRANSFORMER CONNECTIONS

INSTRUCTIONS FOR 120/208 VOLT OPERATION

120 VOLT OPERATION

1. TRANSFORMER CONNECTIONS AS SHOWN ON SCHEMATIC.

208 VOLT OPERATION

1. REMOVE JUMPERS CONNECTING TERM. 1-14.
2. REMOVE JUMPERS CONNECTING TERM. 2-15.
3. CONNECT 13-15 WITH JUMPERS.

NOTES

1. UNLESS OTHERWISE INDICATED:
   ALL RESISTORS ARE IN OHMS, 3 WATTS,
   ALL CAPACITORS ARE IN MICROFARADS.

BSM8-258

Figure 8-258. Trygon Power Supply Model S300-1500 OV S841

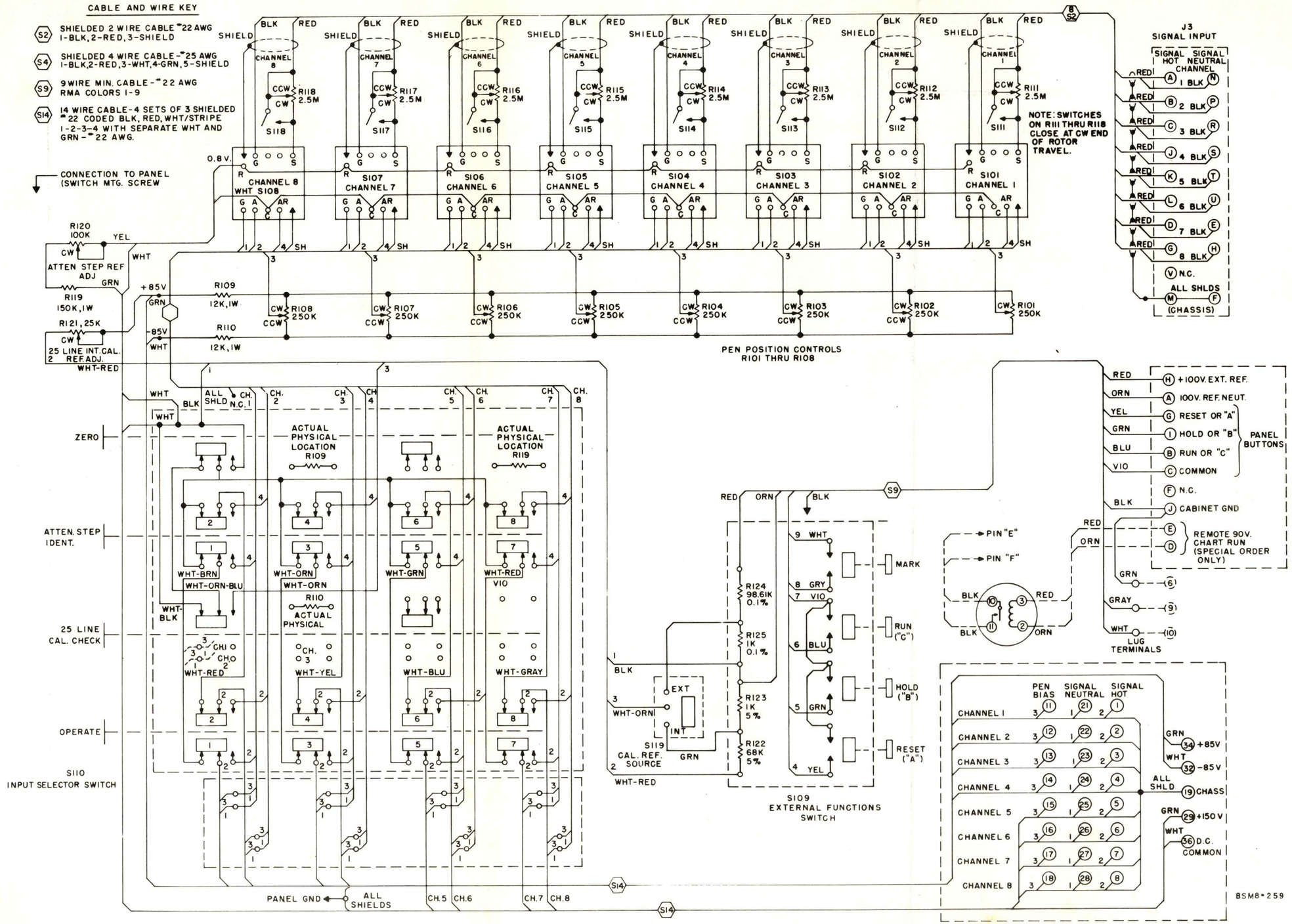


Figure 8-259. Brush Mark 200 Pushbutton Attenuation and Control Panel

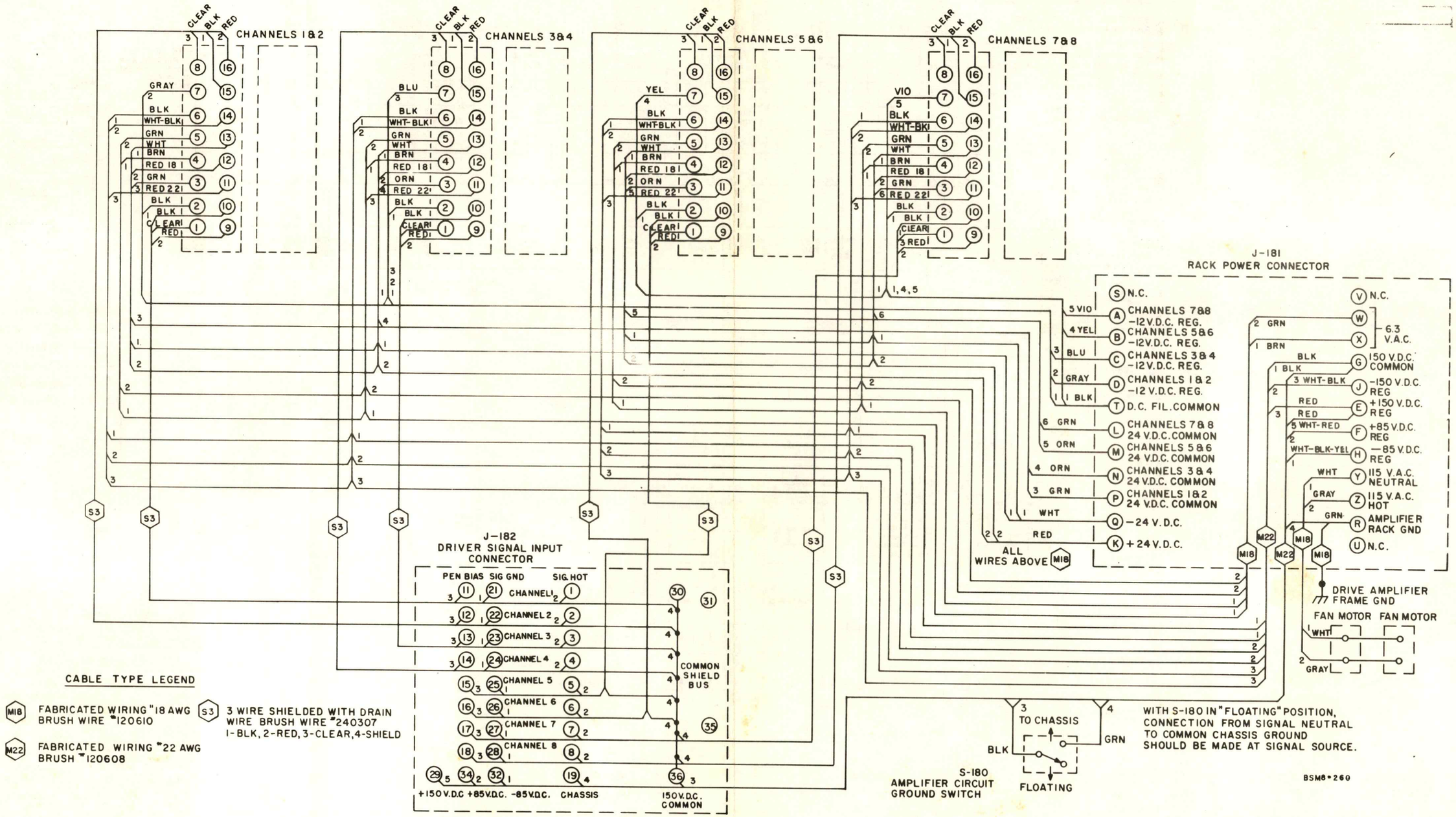
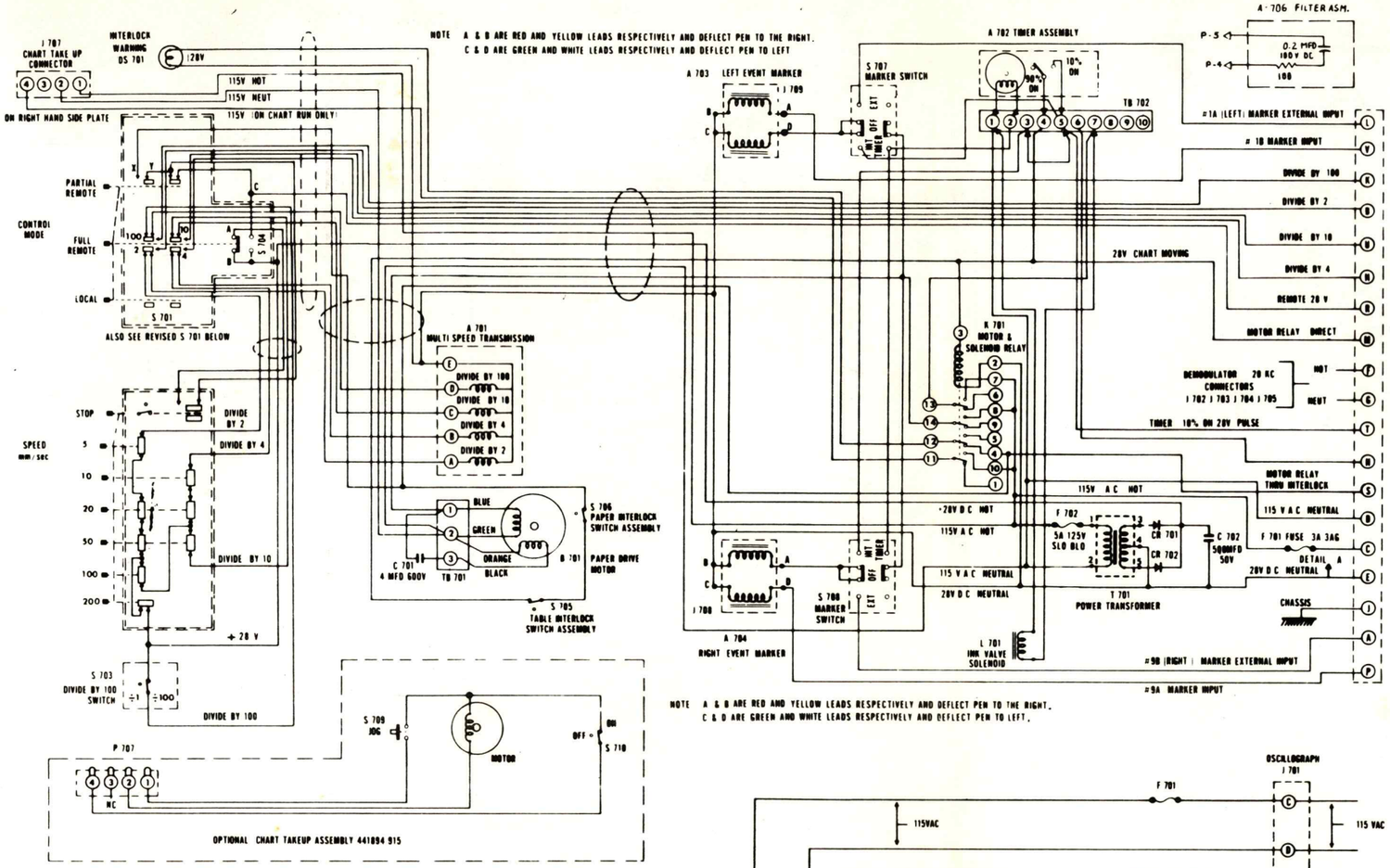
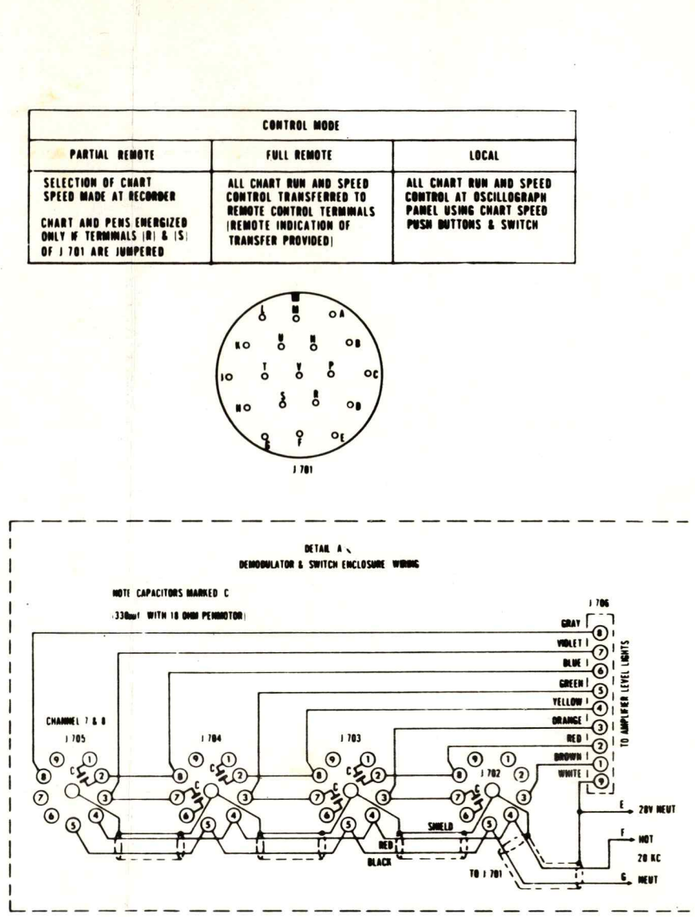
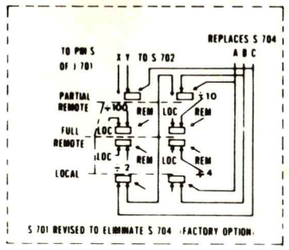


Figure 8-260. Brush Mark 200 Drive Amplifier Frame Wiring Diagram

CONTROL MODE		
PARTIAL REMOTE	FULL REMOTE	LOCAL
SELECTION OF CHART SPEED MADE AT RECORDER CHART AND PENS ENERGIZED ONLY IF TERMINALS (R) & (S) OF J 701 ARE JUMPERED	ALL CHART RUN AND SPEED CONTROL TRANSFERRED TO REMOTE CONTROL TERMINALS (REMOTE INDICATION OF TRANSFER PROVIDED)	ALL CHART RUN AND SPEED CONTROL AT OSCILLOGRAPH PANEL USING CHART SPEED PUSH BUTTONS & SWITCH

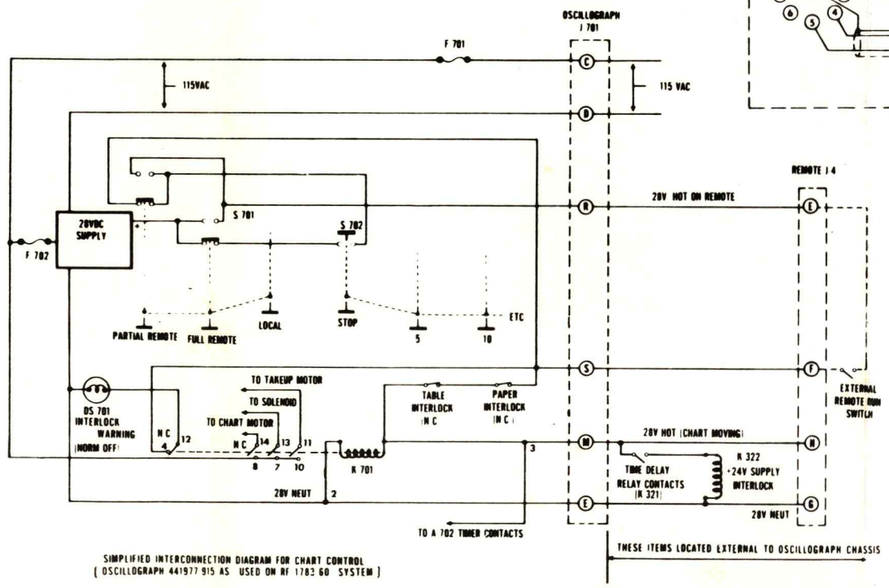






1 PENMOTOR ASSEMBLIES (4) AND DEMODULATOR & REVERSING SWITCH ASSEMBLIES (4) NOT SHOWN SEE SEPARATE SCHEMATIC DRAWINGS

NOTES



SIMPLIFIED INTERCONNECTION DIAGRAM FOR CHART CONTROL
(OSCILLOGRAPH 441977.915 AS USED ON RF 1783 60 SYSTEM)

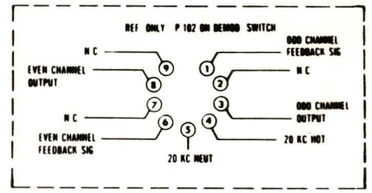


Figure 8-261. Brush Oscillograph - Horizontal

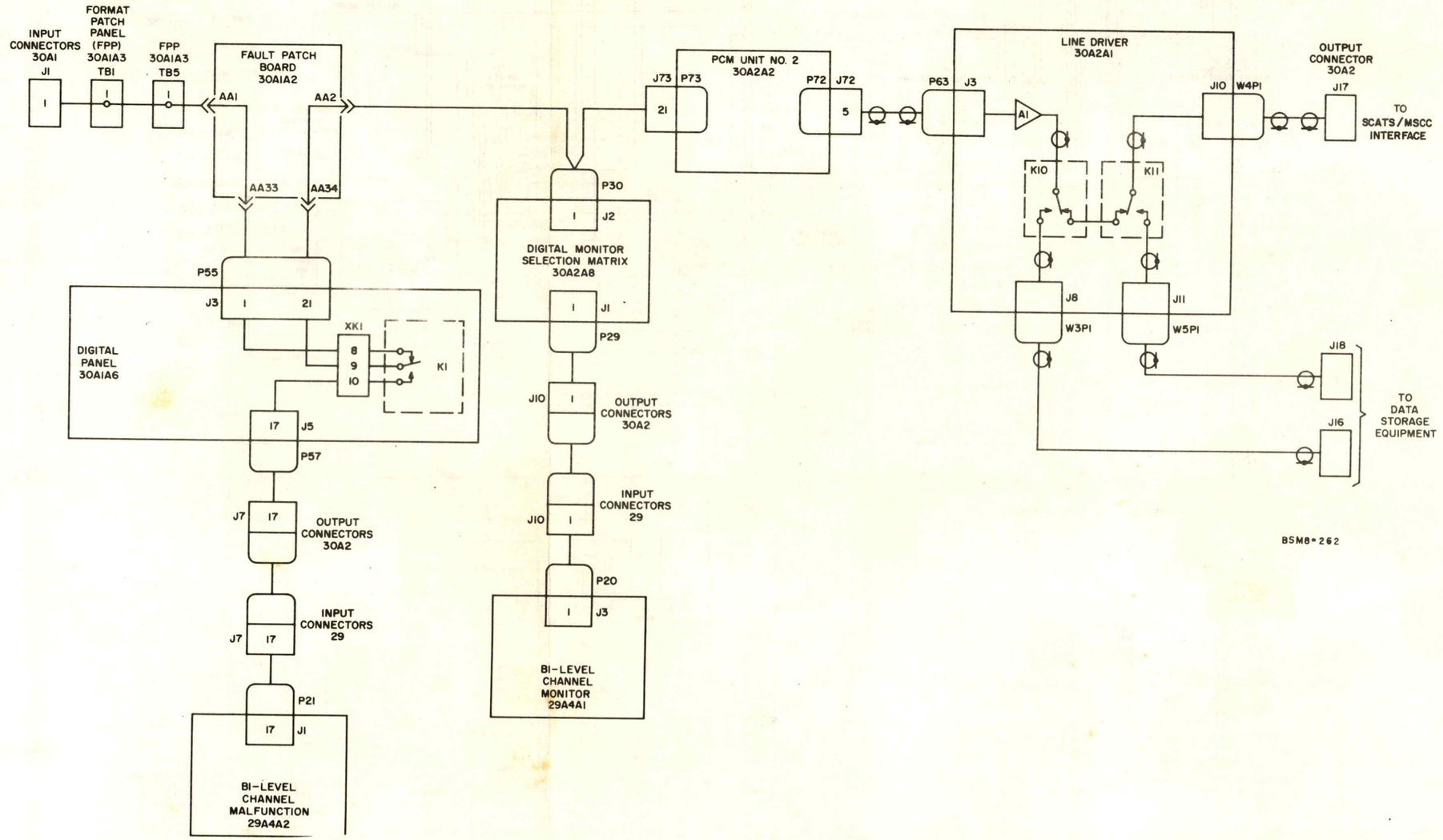


Figure 8-262. Collins Radio Bi-Level Fault Line (1st Bit, 1st Word)

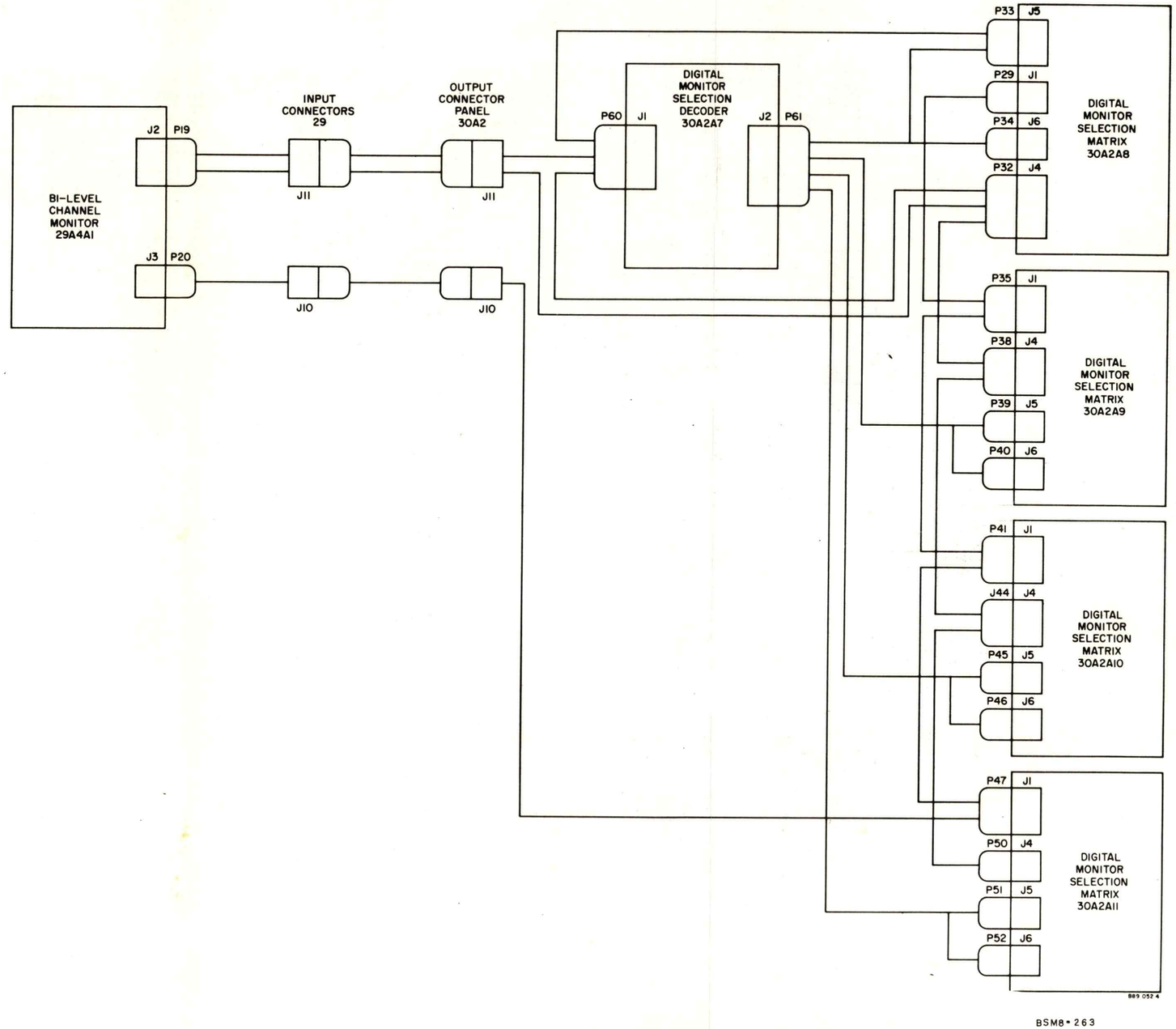


Figure 8-263. Collins Radio Digital Monitoring System

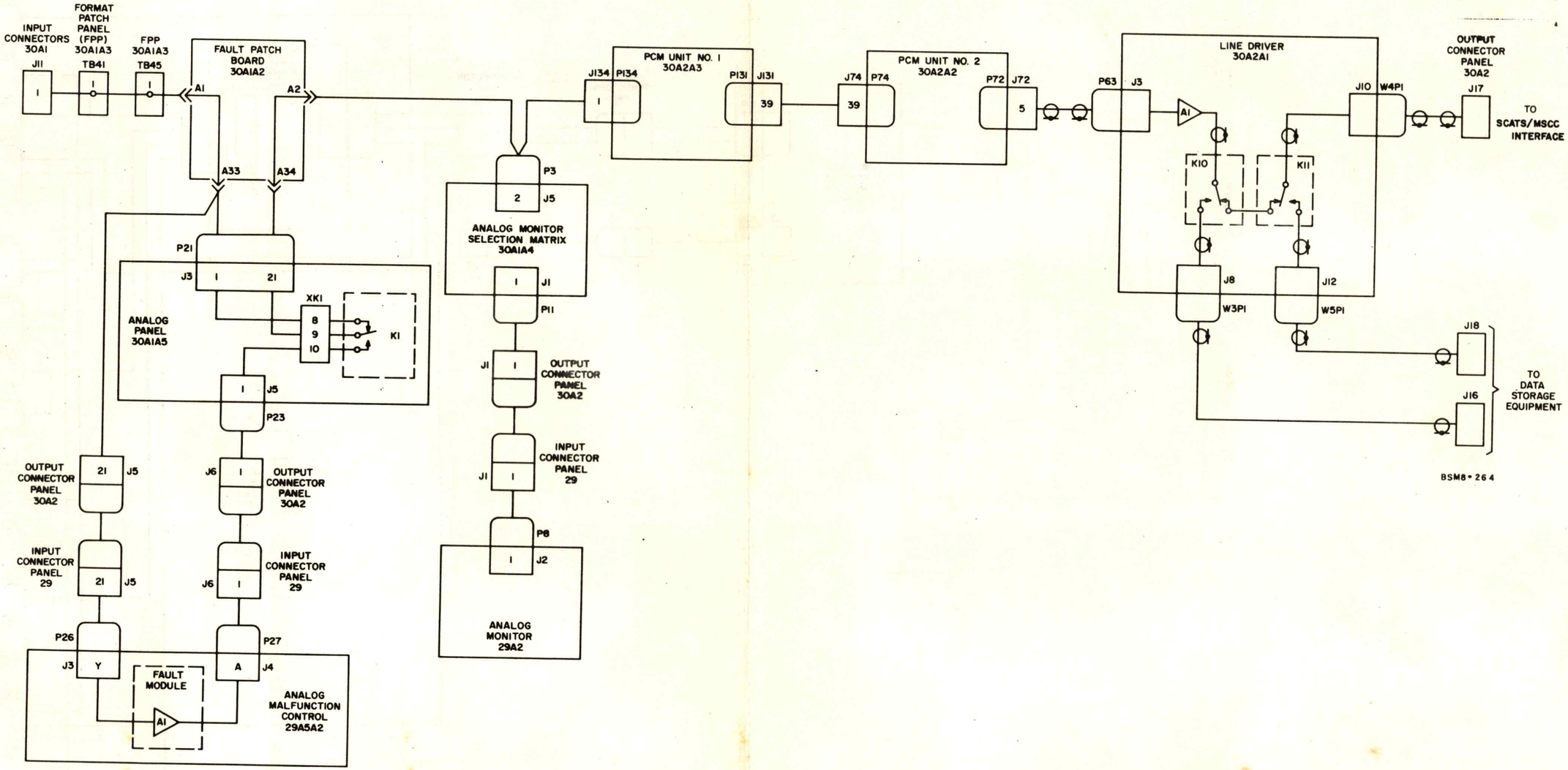


Figure 8-264. Collins Radio Hi Level Analog Line 1

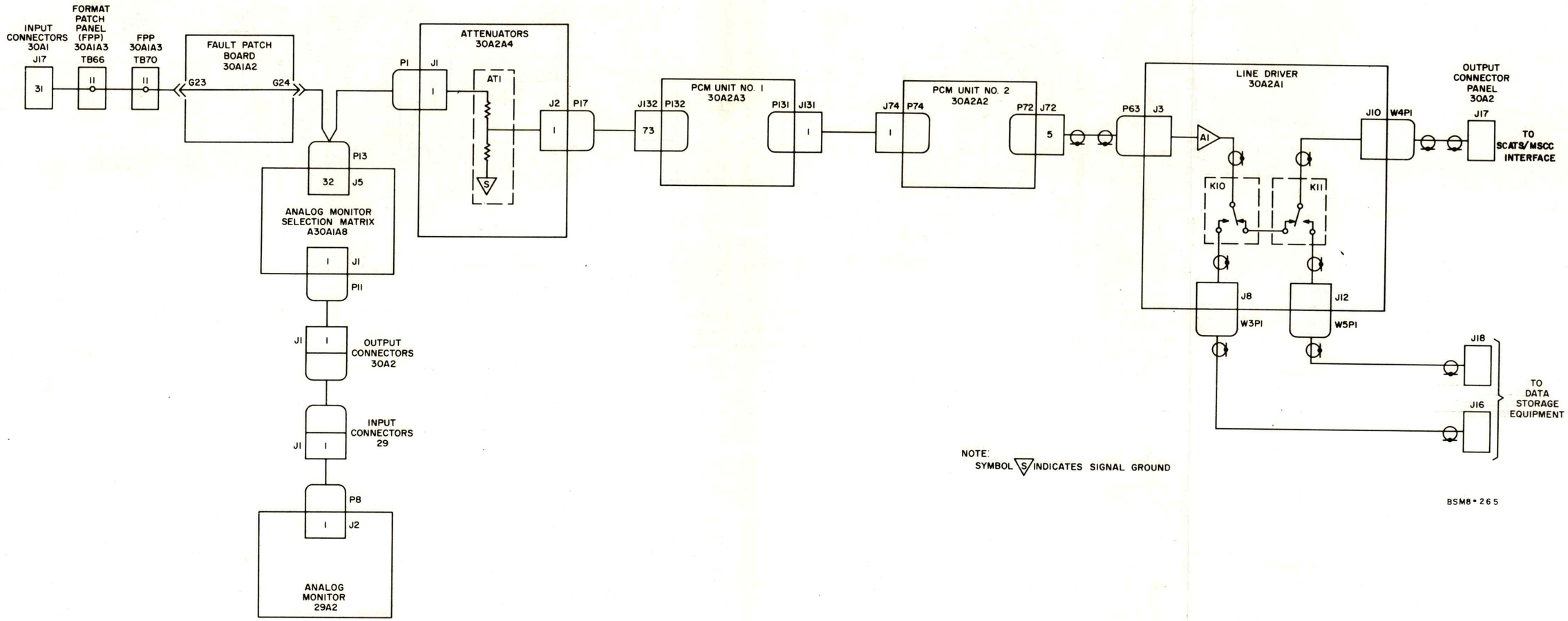


Figure 8-265. Collins Radio Low Level Analog Line 271

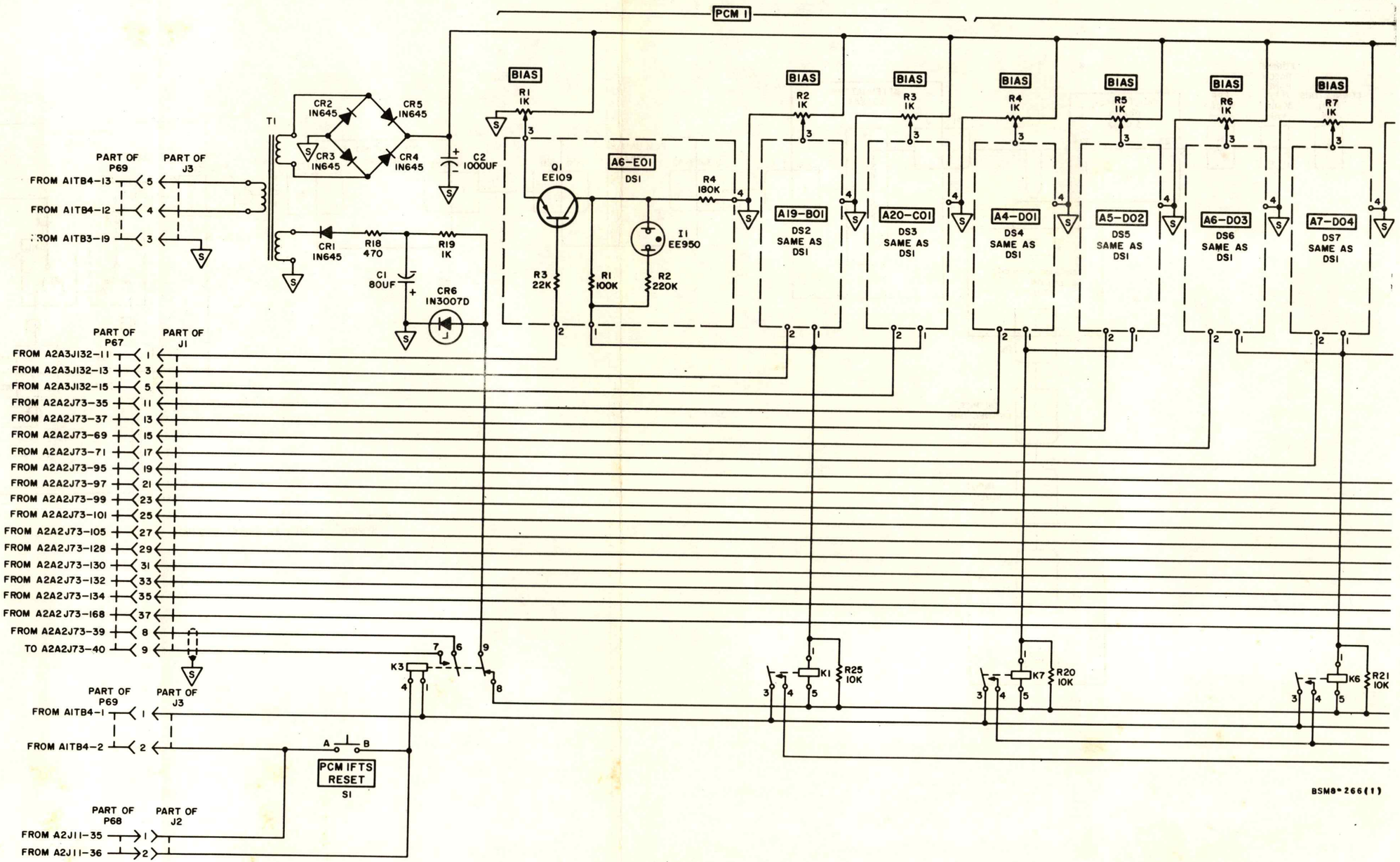
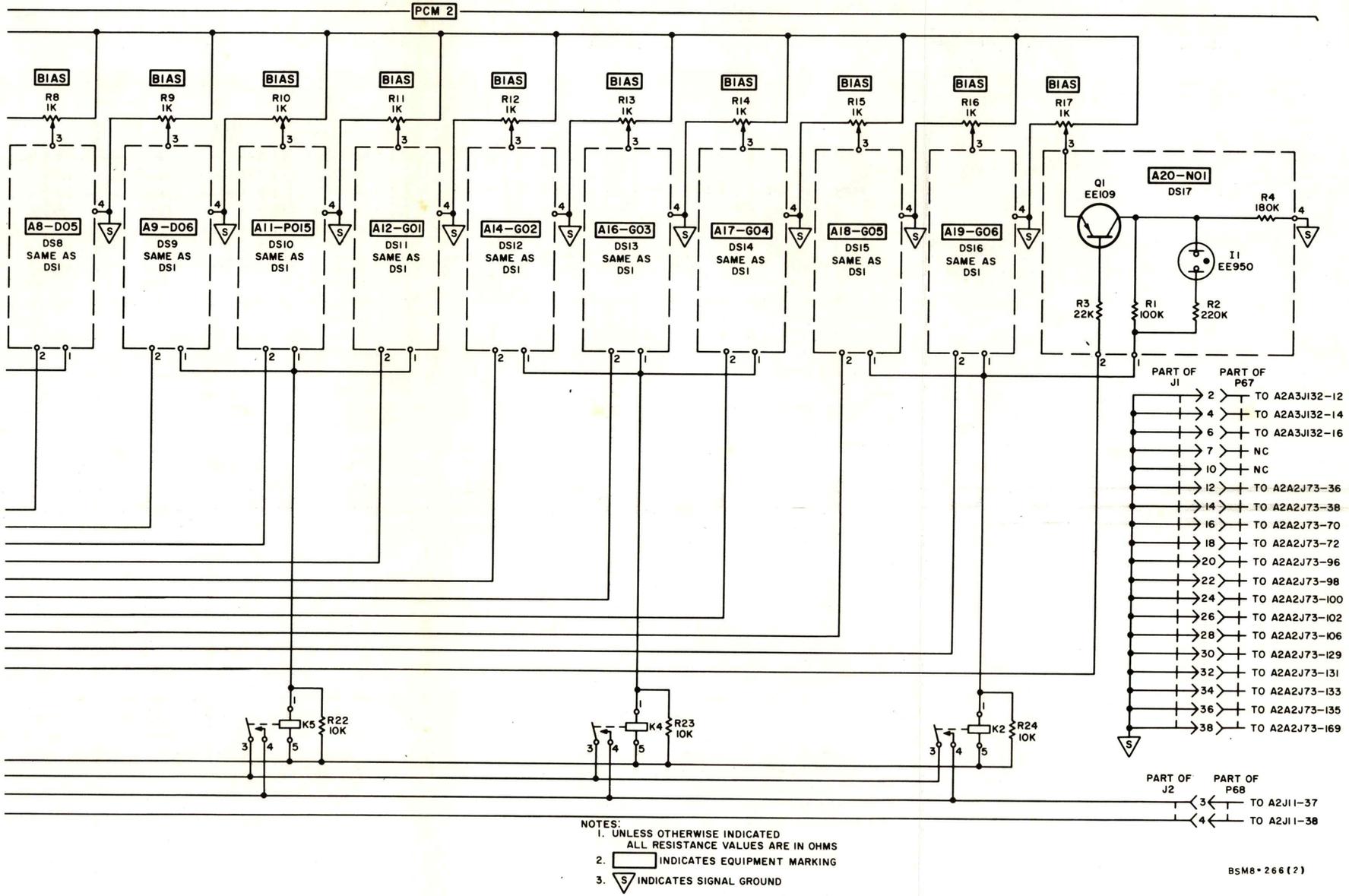


Figure 8-266. Collins Radio PCM/IFTS Fault Display Panel (Sheet 1 of 2)



NOTES:
1. UNLESS OTHERWISE INDICATED ALL RESISTANCE VALUES ARE IN OHMS
2. ▭ INDICATES EQUIPMENT MARKING
3. ▽S INDICATES SIGNAL GROUND

Figure 8-266. Collins Radio PCM/IFTS Fault Display Panel (Sheet 2 of 2)

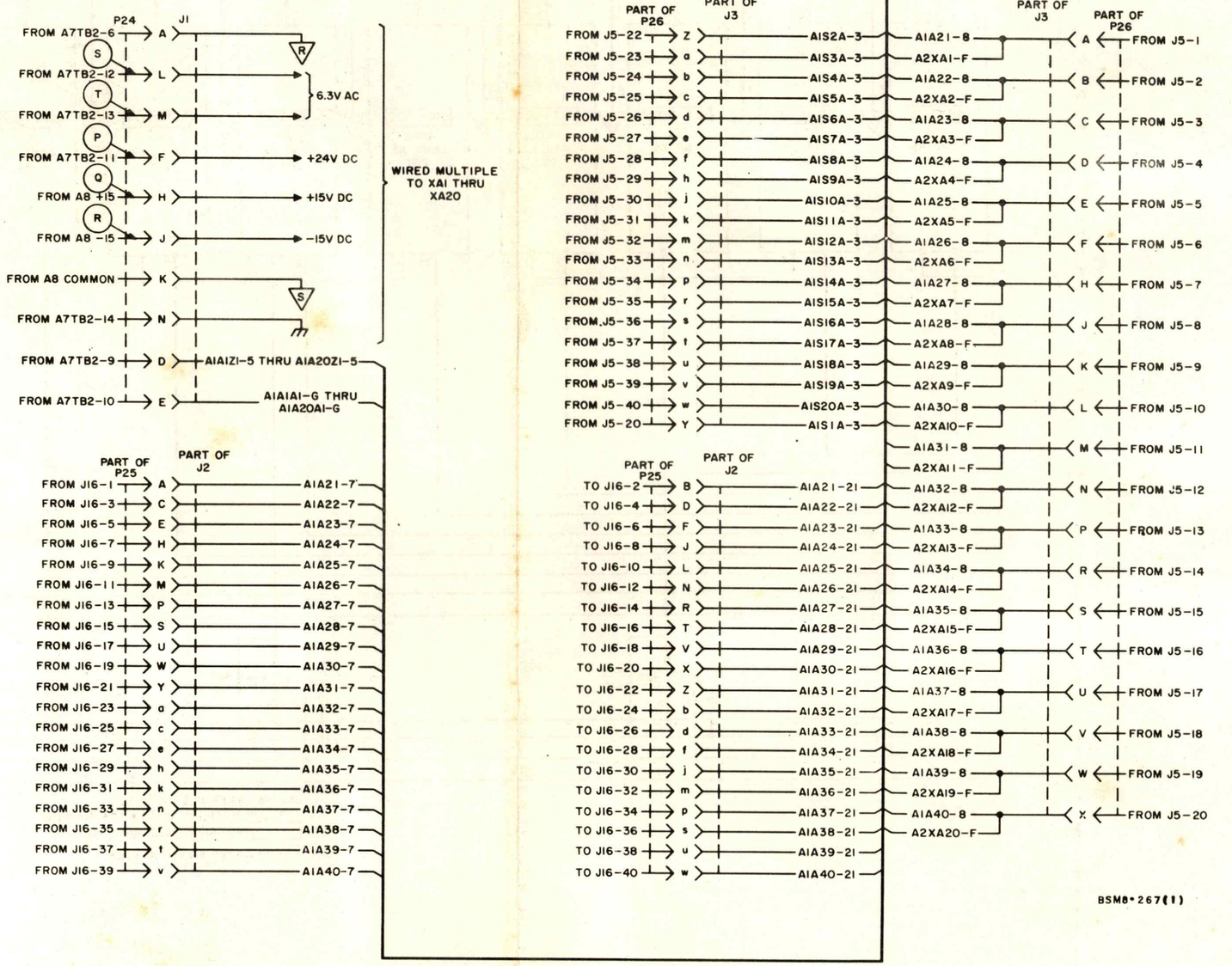


Figure 8-267. Collins Radio Analog Fault Module Assembly (Sheet 1 of 7)

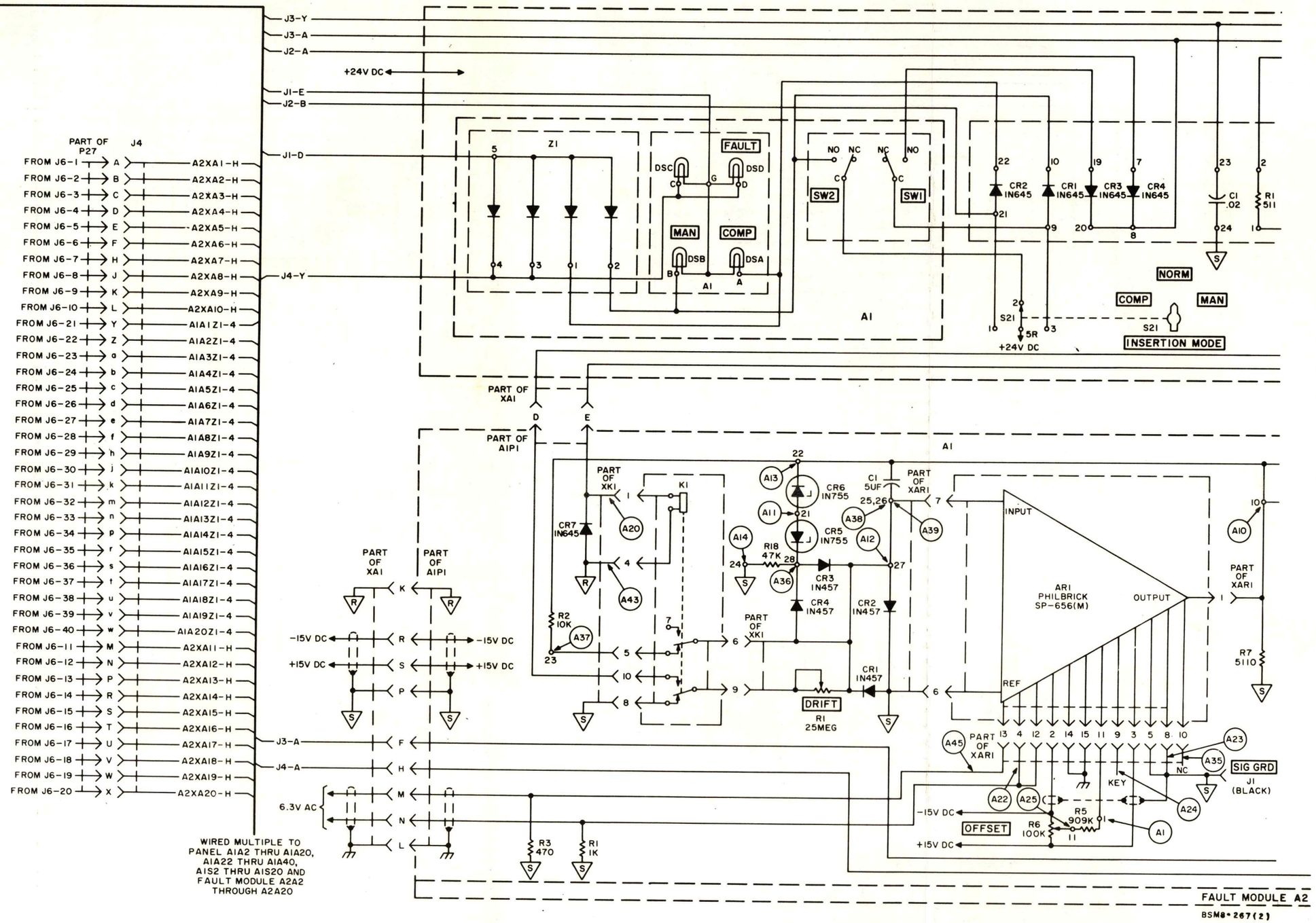
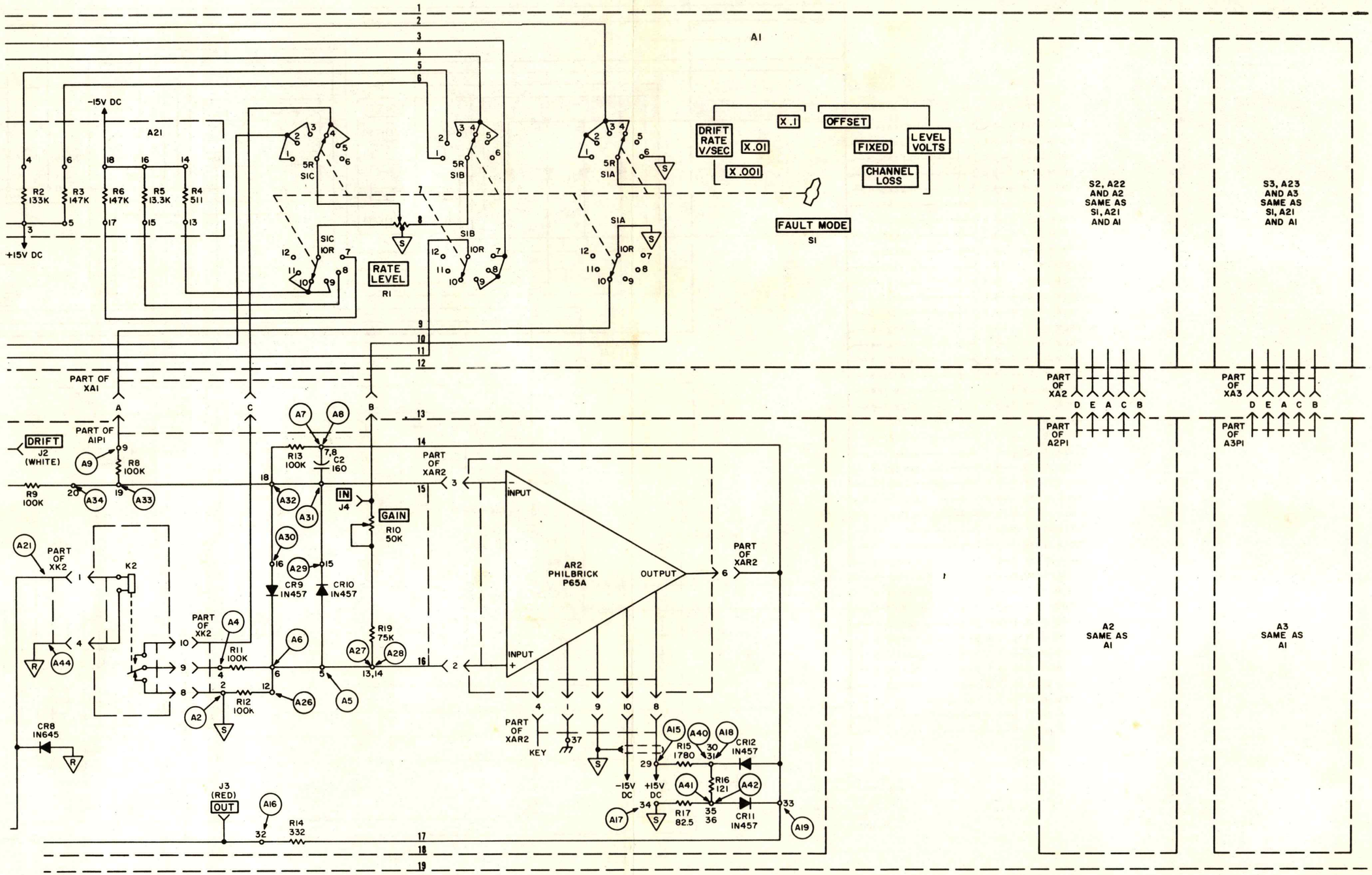
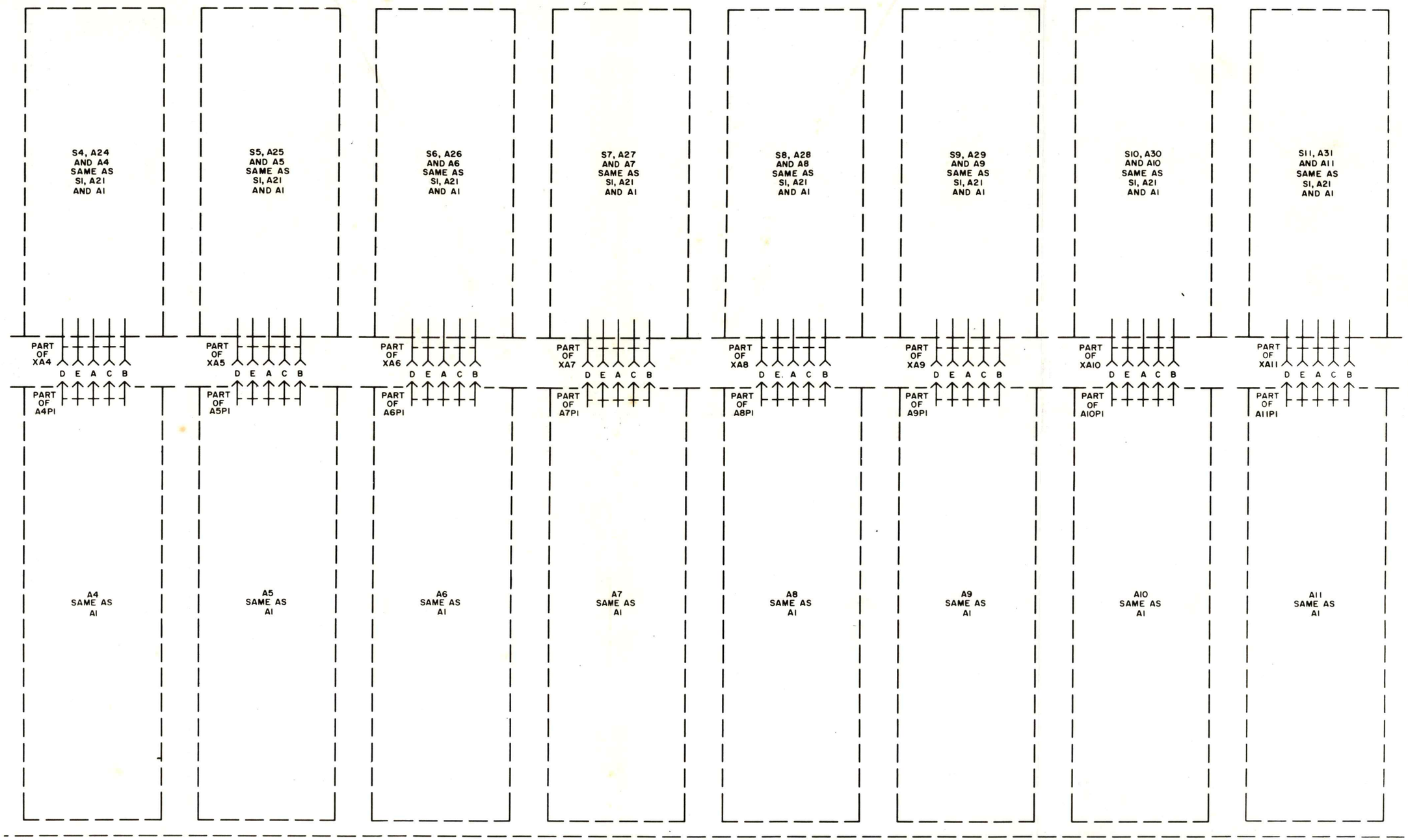


Figure 8-267. Collins Radio Analog Fault Module Assembly (Sheet 2 of 7)



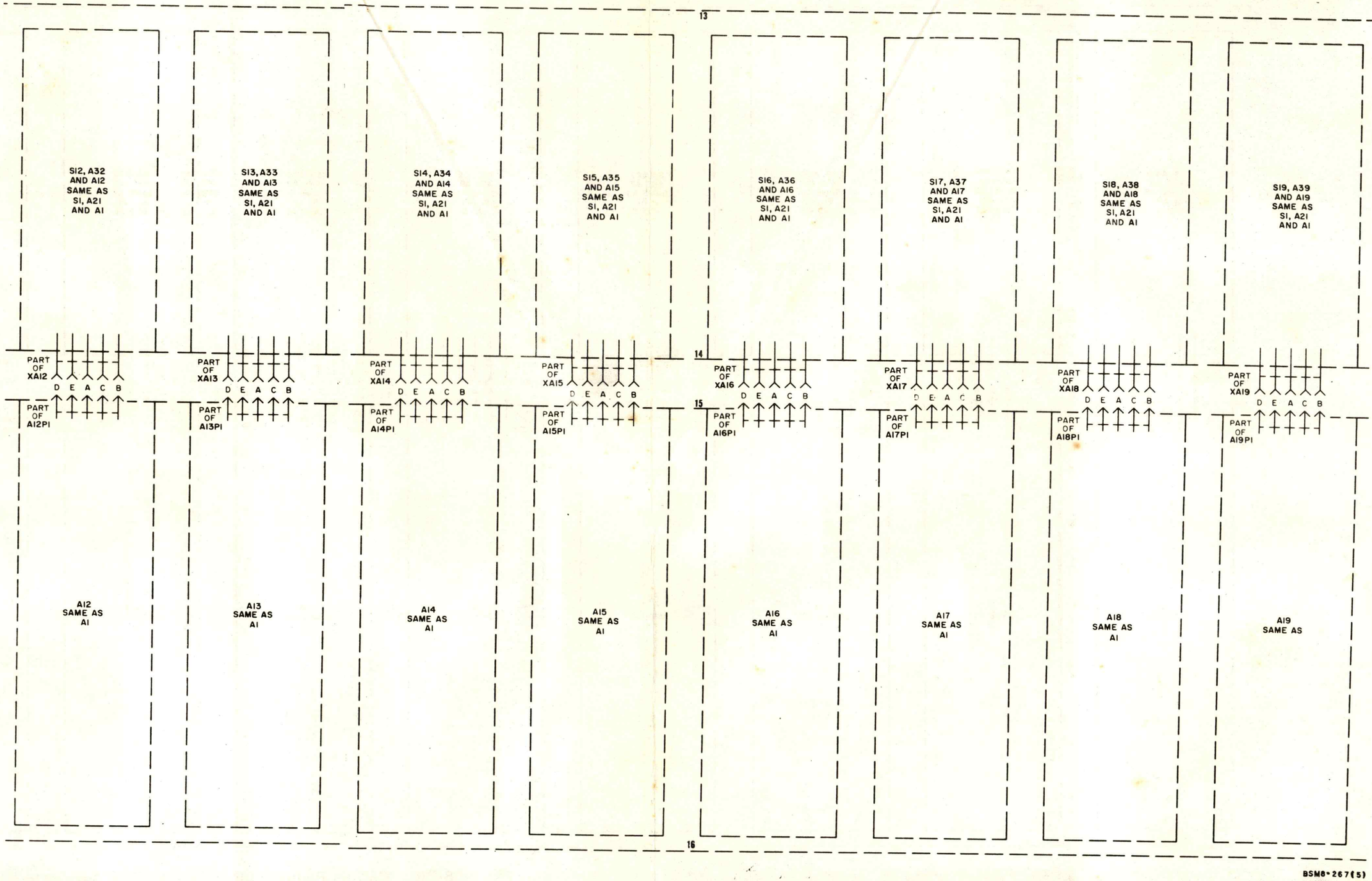
BSM8-267(3)

Figure 8-267. Collins Radio Analog Fault Module Assembly (Sheet 3 of 7)



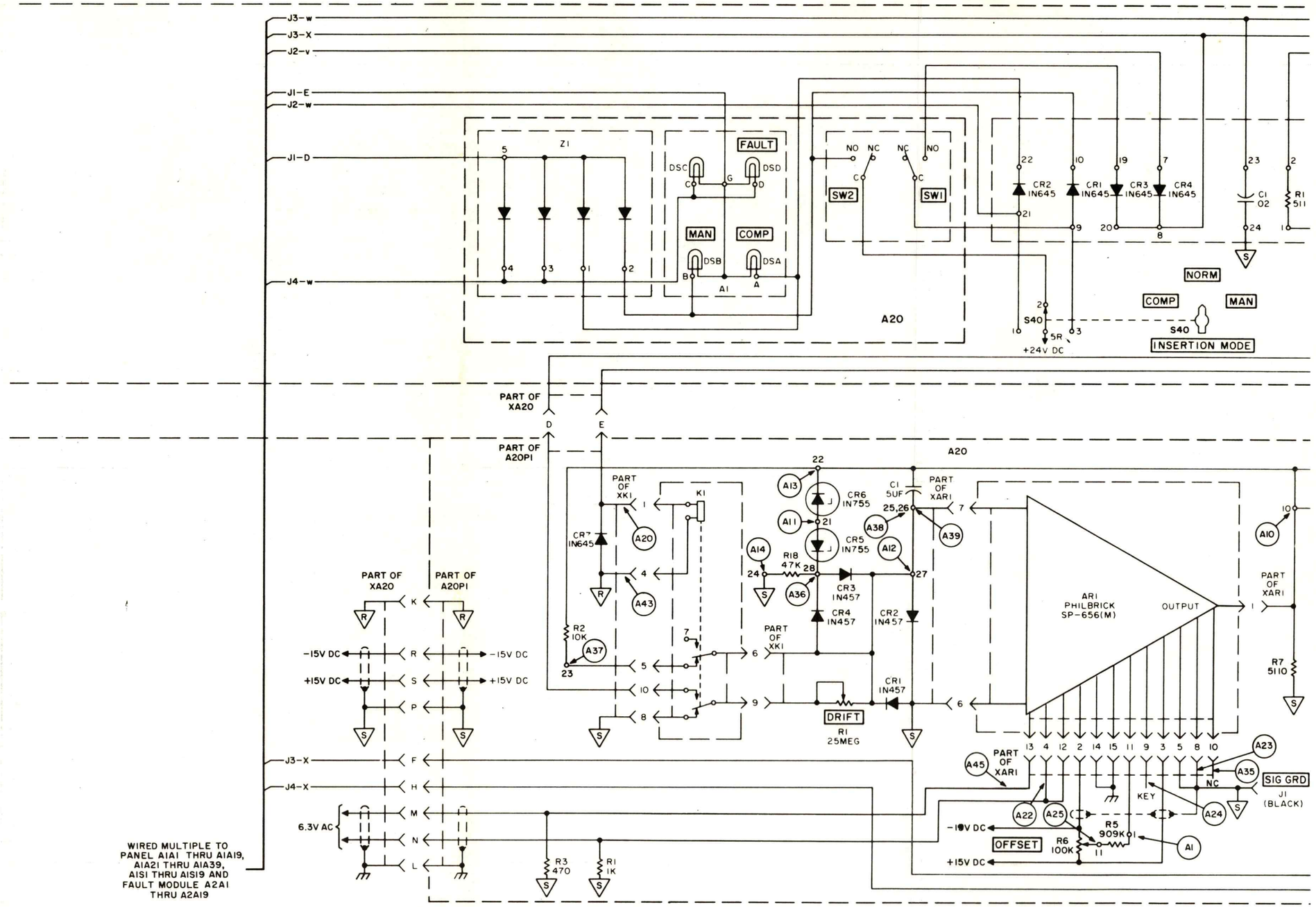
BSM6-267(4)

Figure 8-267. Collins Radio Analog Fault Module Assembly (Sheet 4 of 7)



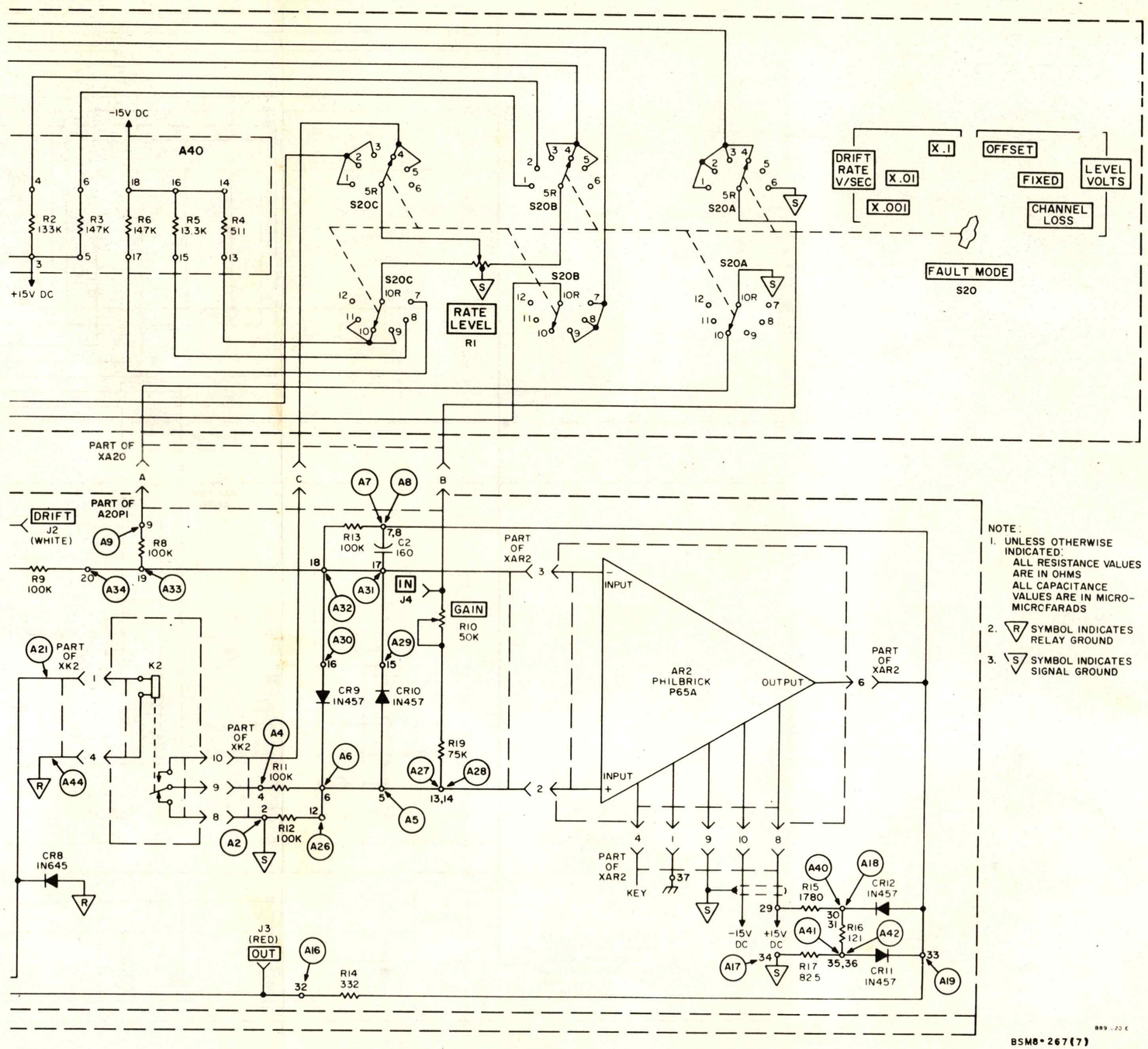
BSM8-267(5)

Figure 8-267. Collins Radio Analog Fault Module Assembly (Sheet 5 of 7)



BSM8-267(6)

Figure 8-267. Collins Radio Analog Fault Module Assembly (Sheet 6 of 7)



NOTE:
1. UNLESS OTHERWISE INDICATED:
   ALL RESISTANCE VALUES ARE IN OHMS
   ALL CAPACITANCE VALUES ARE IN MICRO-MICROFARADS
2. R SYMBOL INDICATES RELAY GROUND
3. S SYMBOL INDICATES SIGNAL GROUND

BSM8-267(7)

Figure 8-267. Collins Radio Analog Fault Module Assembly (Sheet 7 of 7)

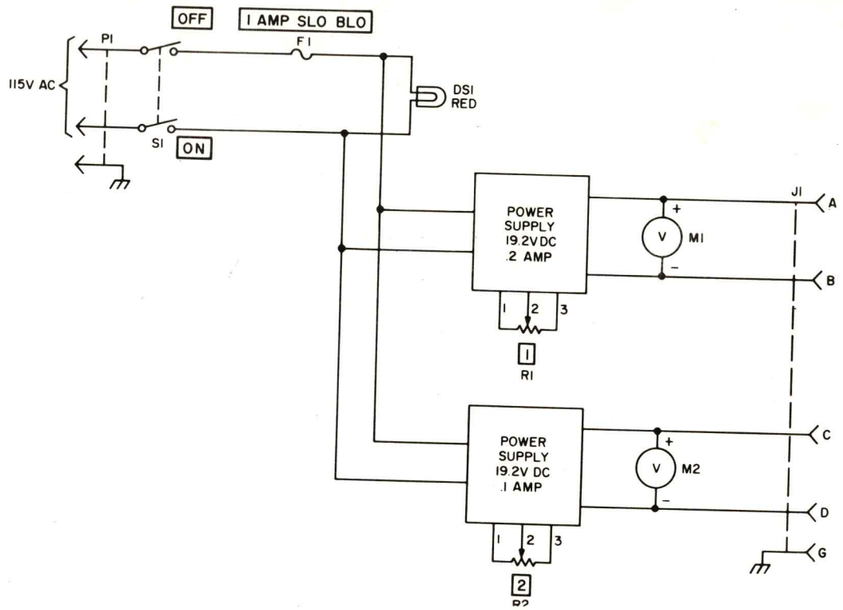
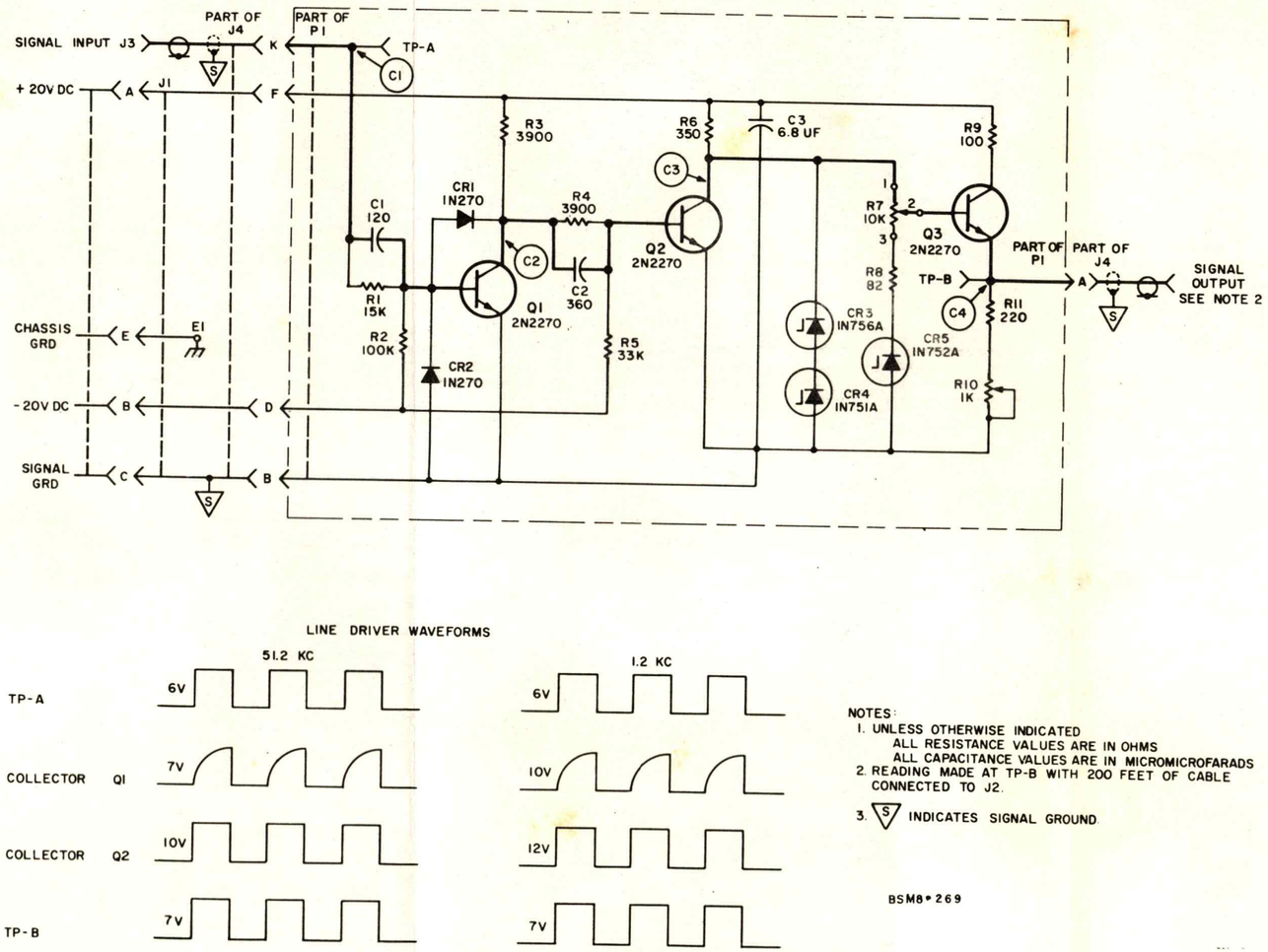


Figure 8-268. Collins Radio Remote Power Supply



LINE DRIVER WAVEFORMS

NOTES:
1. UNLESS OTHERWISE INDICATED
   ALL RESISTANCE VALUES ARE IN OHMS
   ALL CAPACITANCE VALUES ARE IN MICROMICROFARADS
2. READING MADE AT TP-B WITH 200 FEET OF CABLE CONNECTED TO J2.
3. (S) INDICATES SIGNAL GROUND.

BSM8-269

Figure 8-269. Collins Radio Remote Line Driver

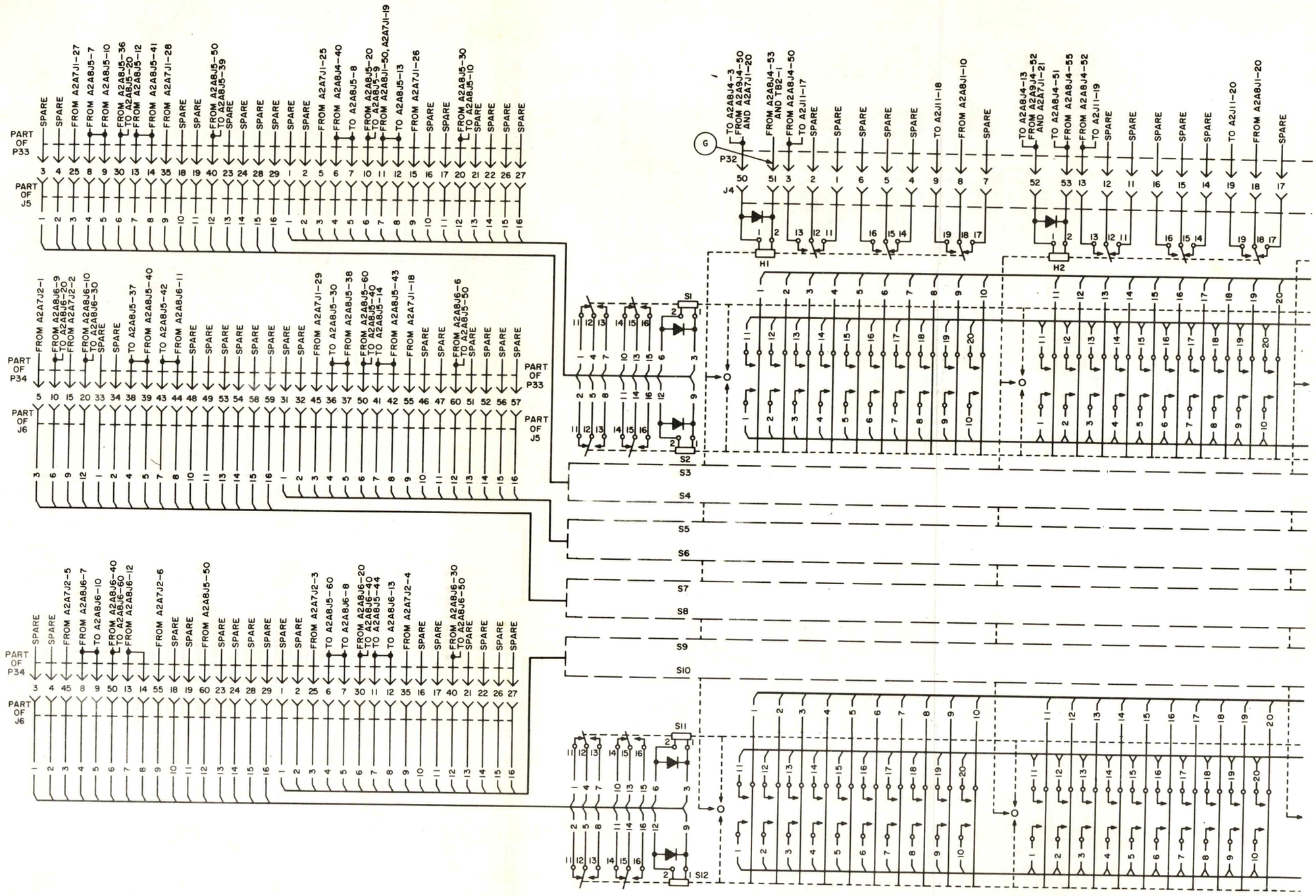


Figure 8-270. Collins Radio Digital Monitor Selection Matrix 30A2A8 (Sheet 1 of 3)

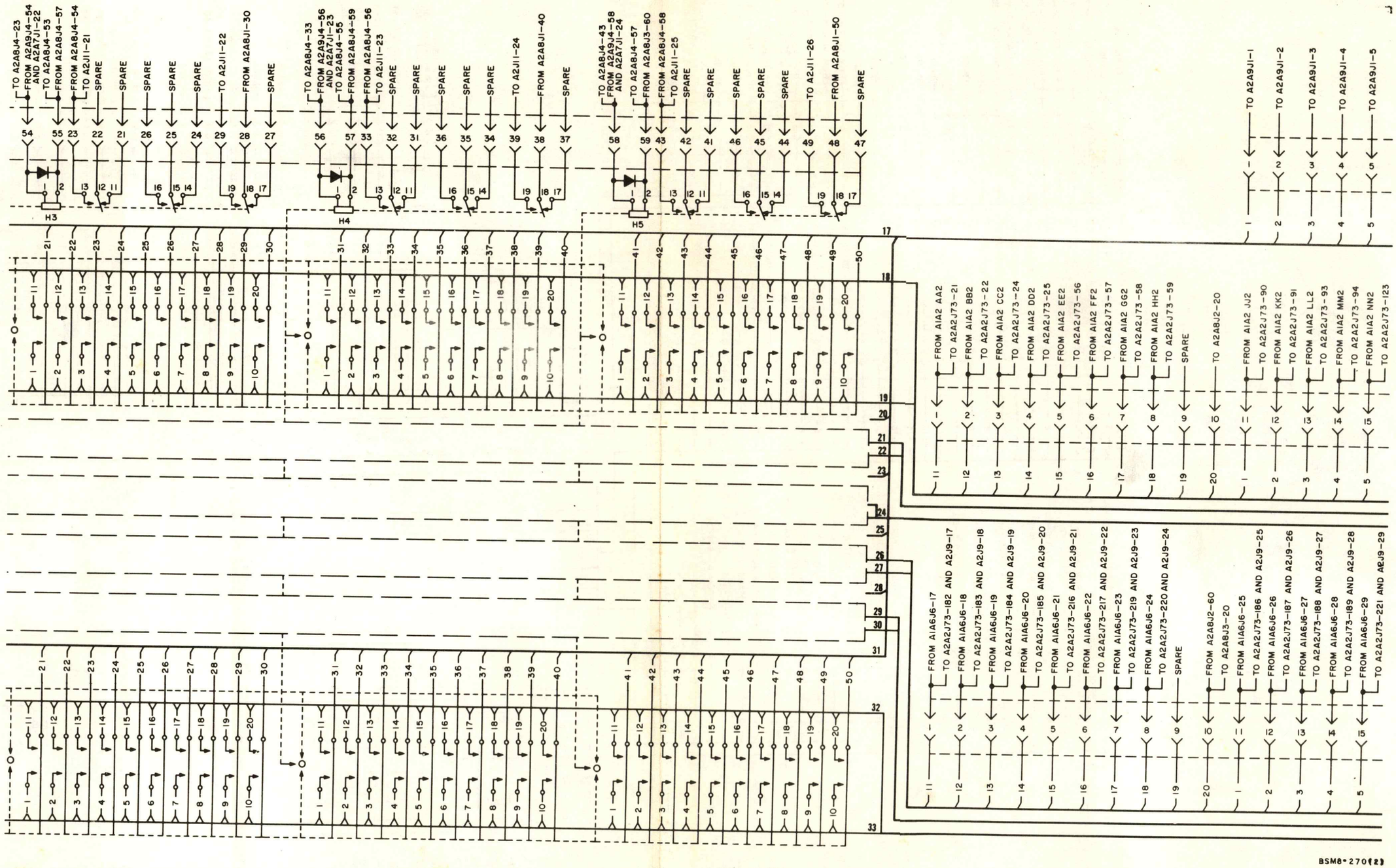


Figure 8-270. Collins Radio Digital Monitor Selection Matrix 30A2A8 (Sheet 2 of 3)

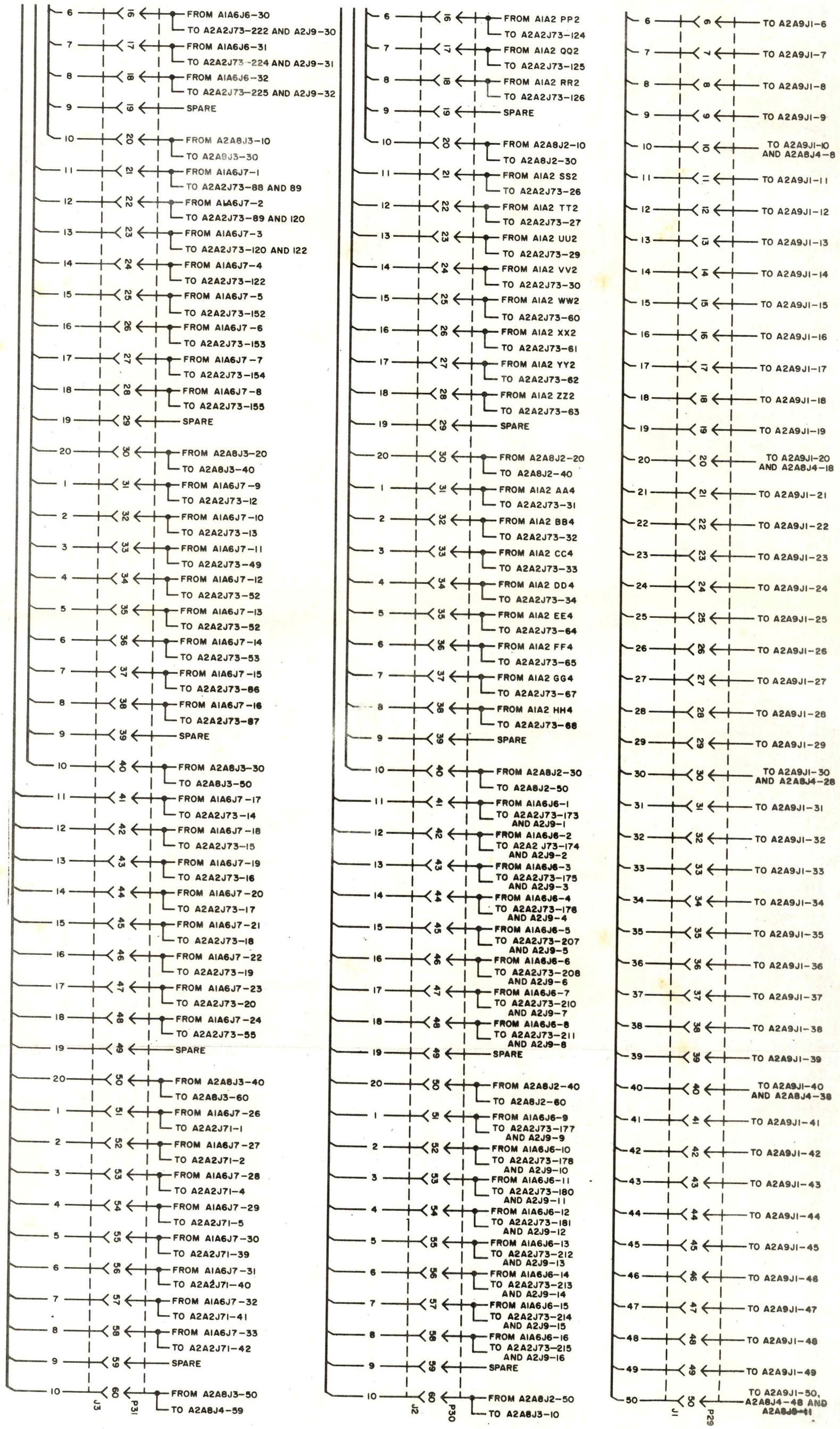
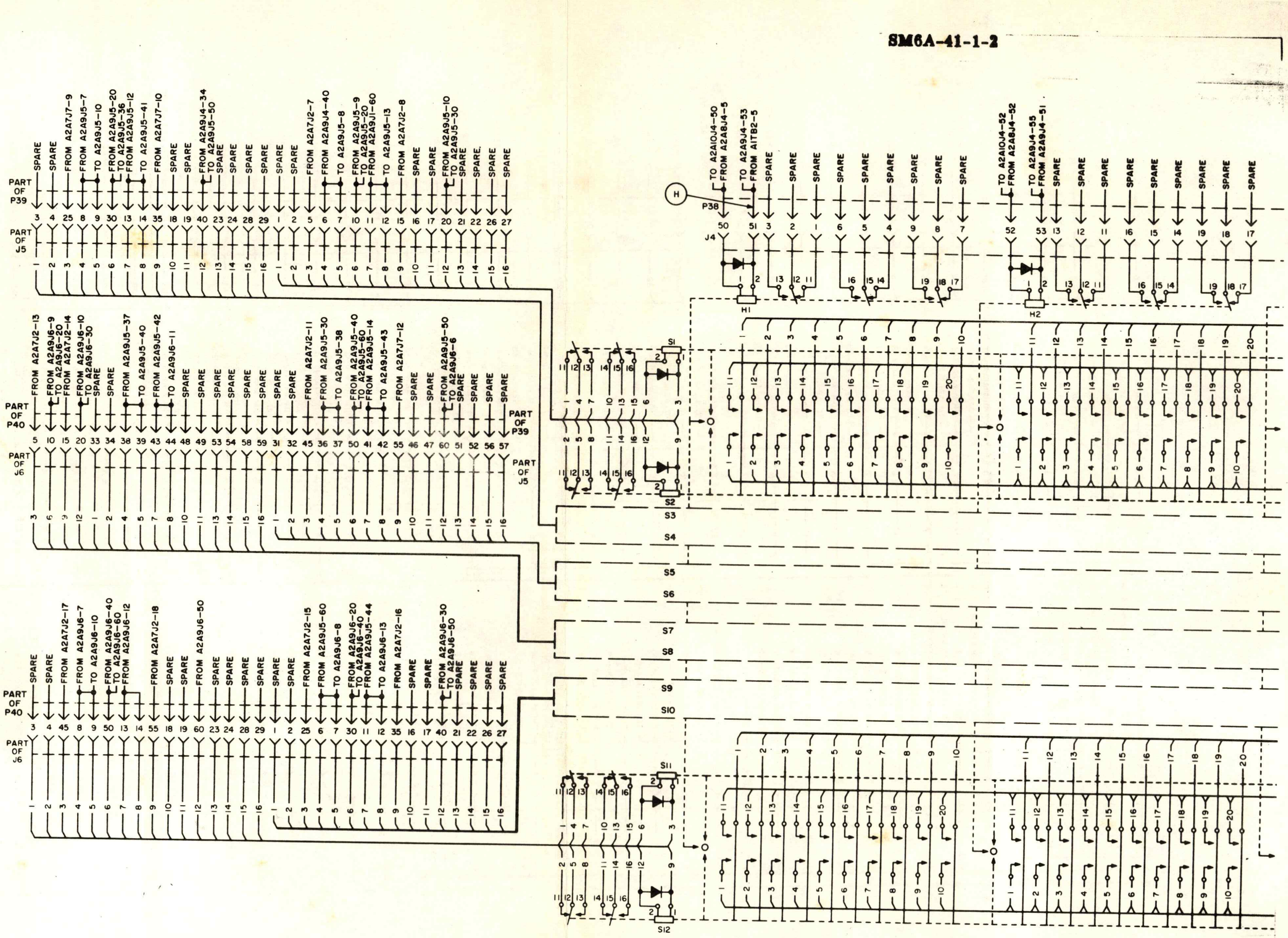


Figure 8-270. Collins Radio Digital Monitor Selection Matrix 30A2A8 (Sheet 3 of 3)



BSM6-277(T)

Figure 8-271. Collins Radio Digital Monitor Selection Matrix 30A2A9 (Sheet 1 of 3)

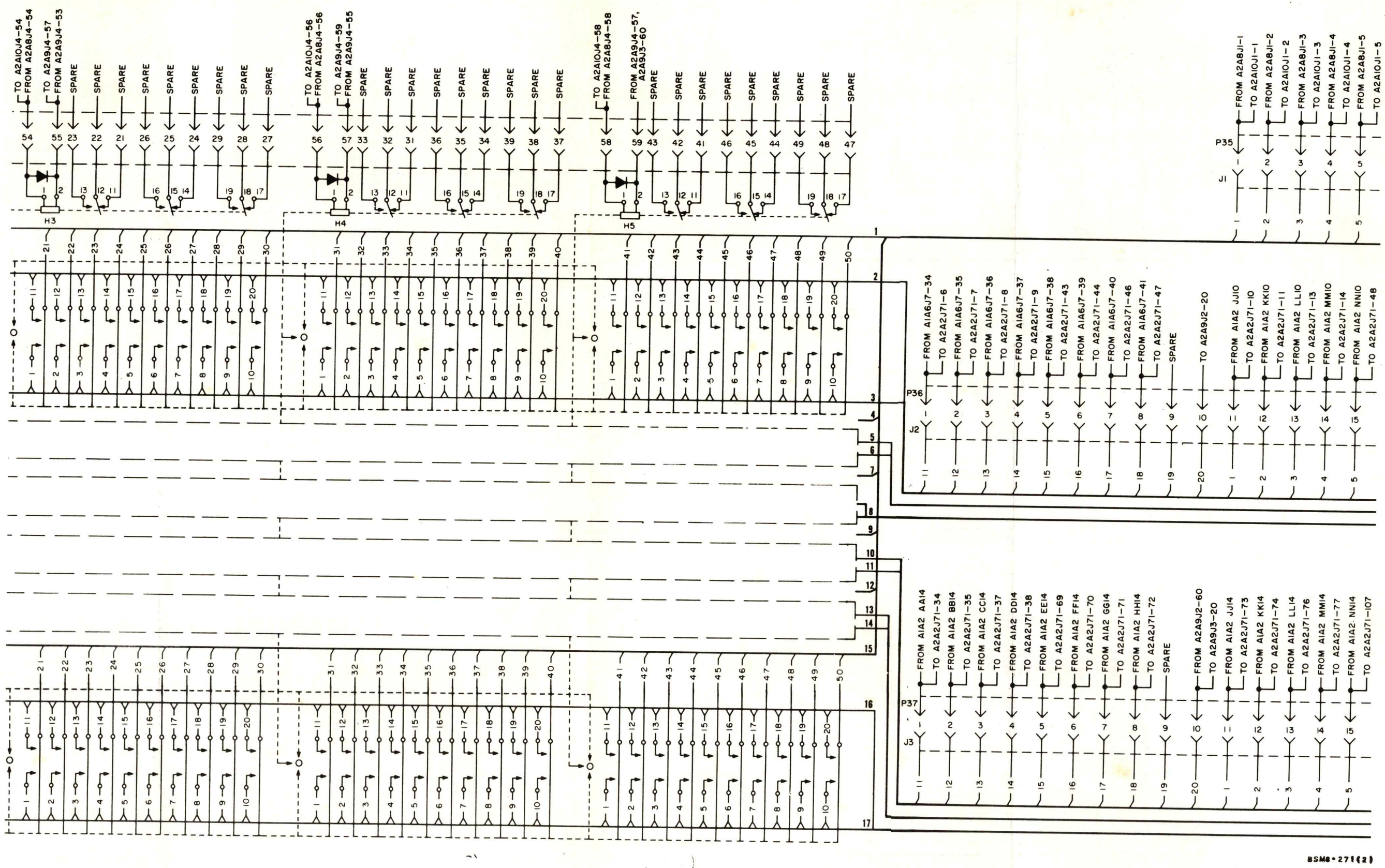


Figure 8-271. Collins Radio Digital Monitor Selection Matrix 30A2A9 (Sheet 2 of 3)

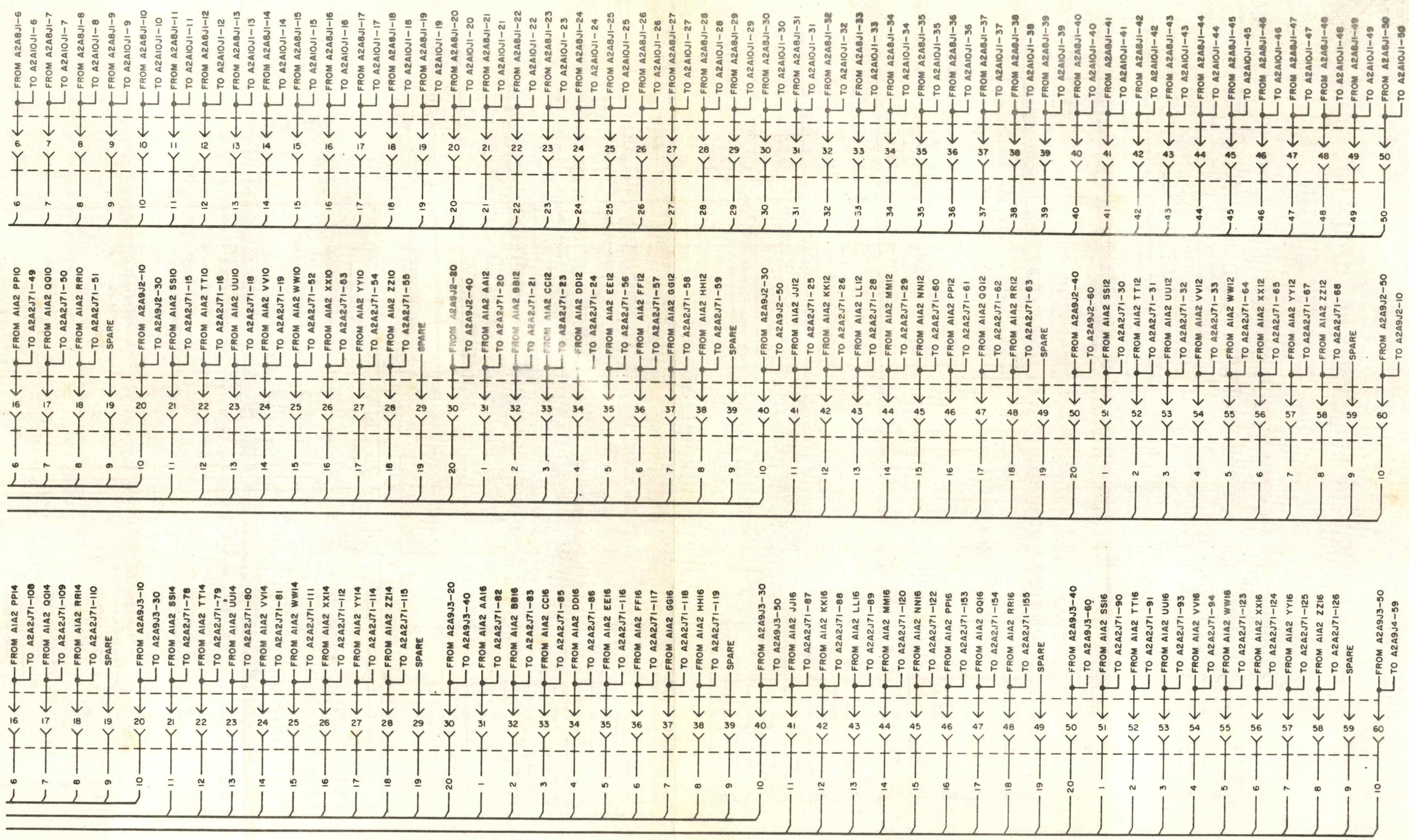


Figure 8-271. Collins Radio Digital Monitor Selection Matrix 30A2A9 (Sheet 3 of 3)

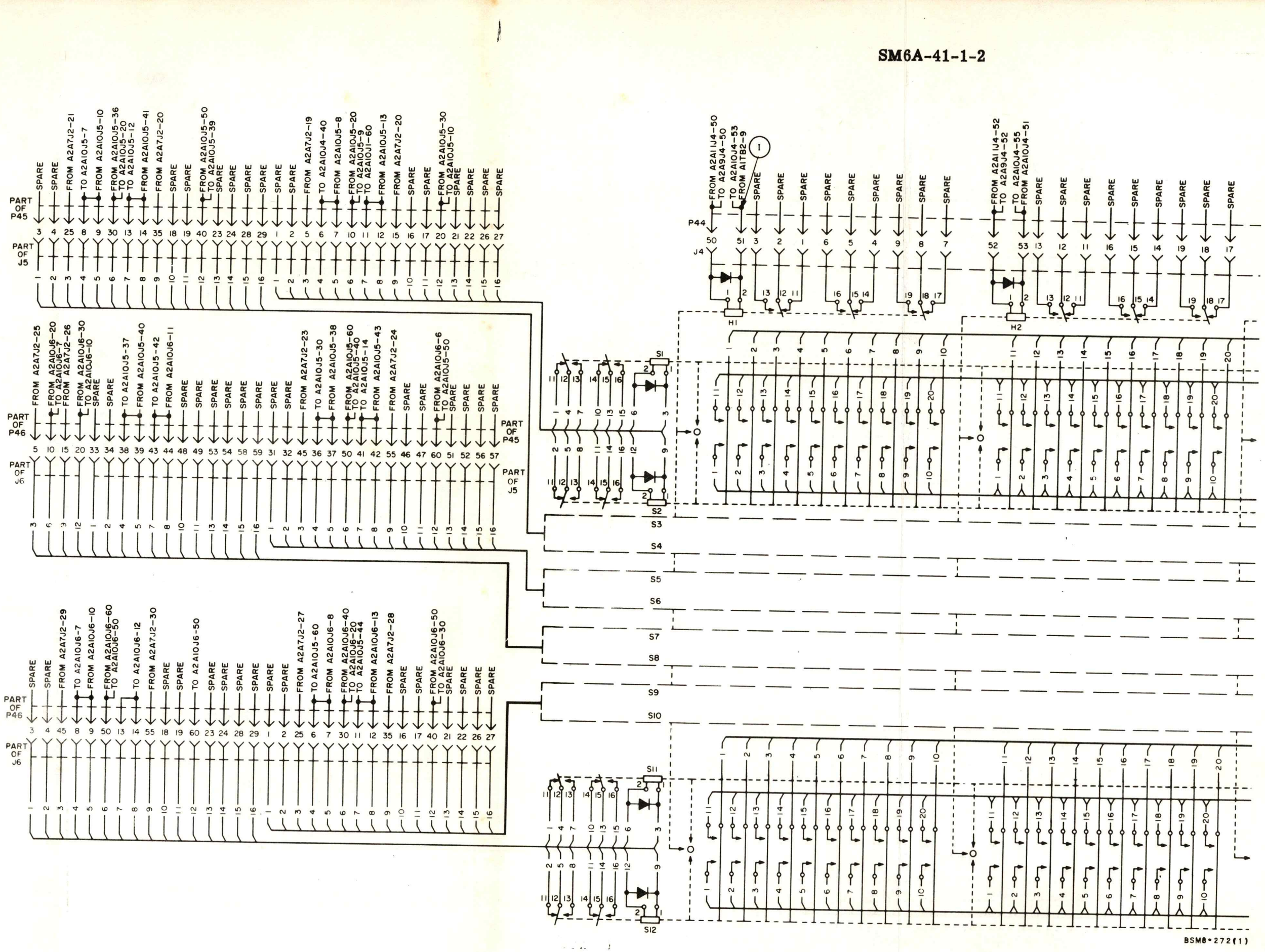


Figure 8-272. Collins Radio Digital Monitor Selection Matrix 30A2A10 (Sheet 1 of 3)

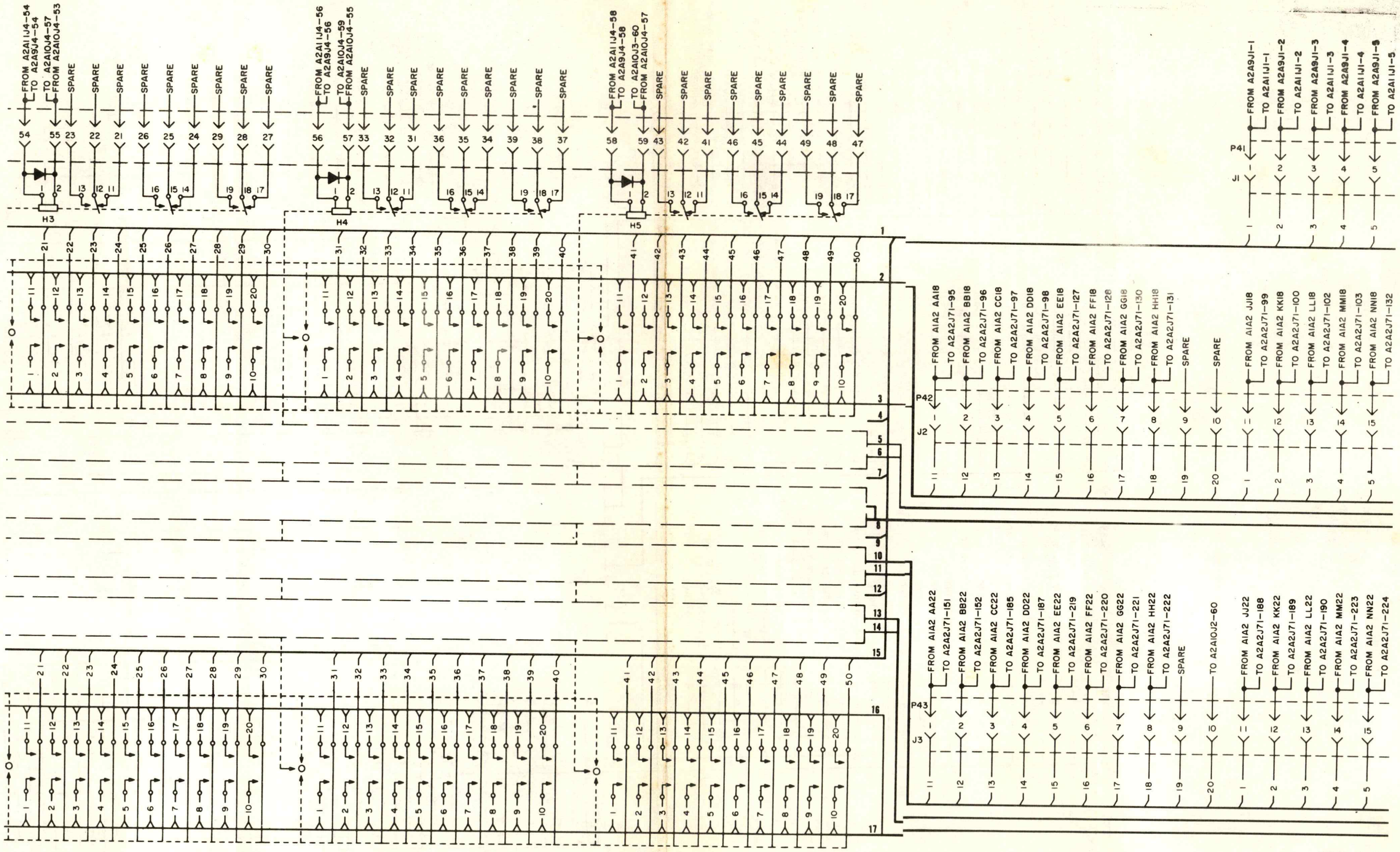
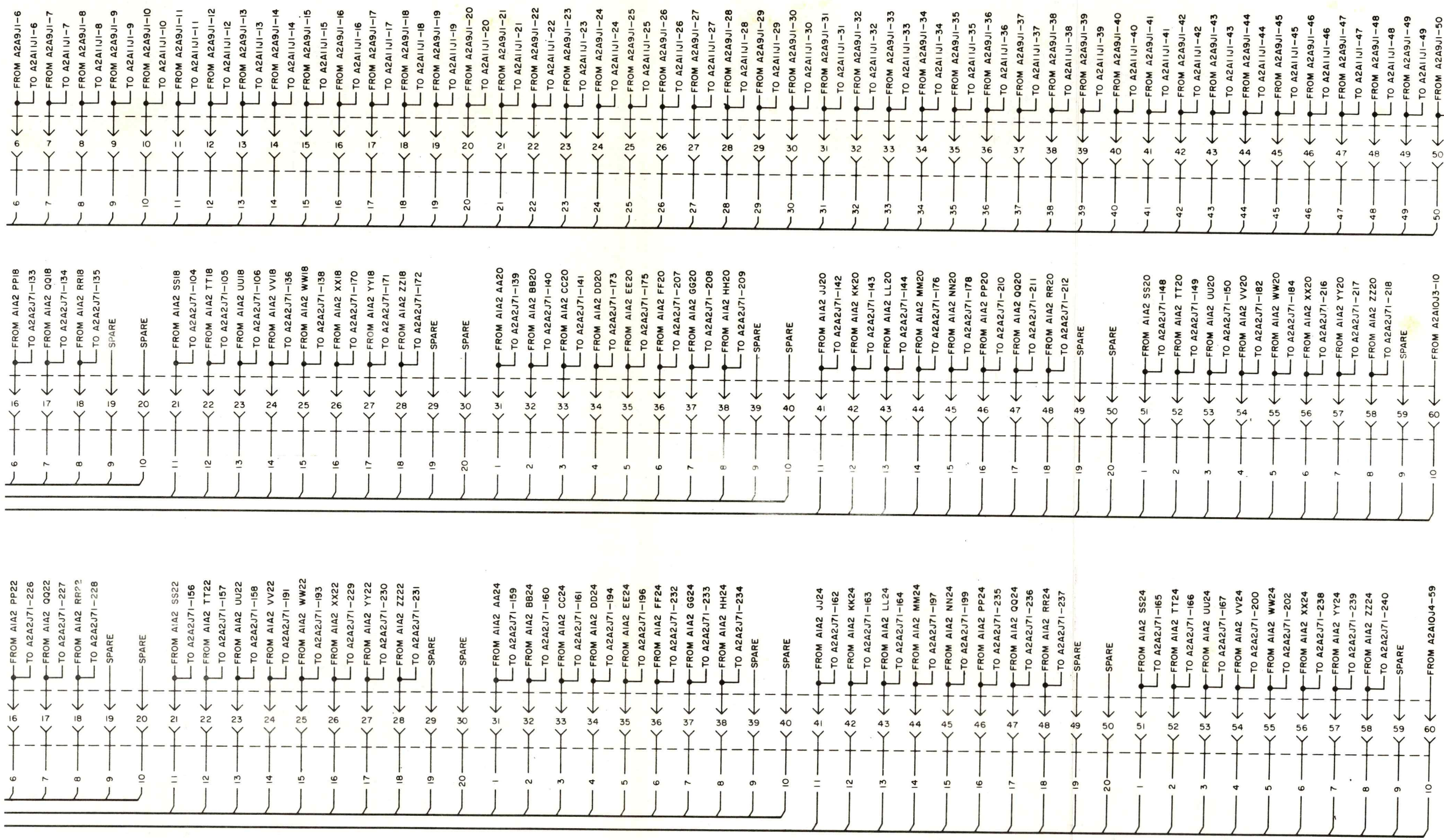


Figure 8-272. Collins Radio Digital Monitor Selection Matrix 30A2A10 (Sheet 2 of 3)



BSM6-272(3)

Figure 8-272. Collins Radio Digital Monitor Selection Matrix 30A2A10 (Sheet 3 of 3)

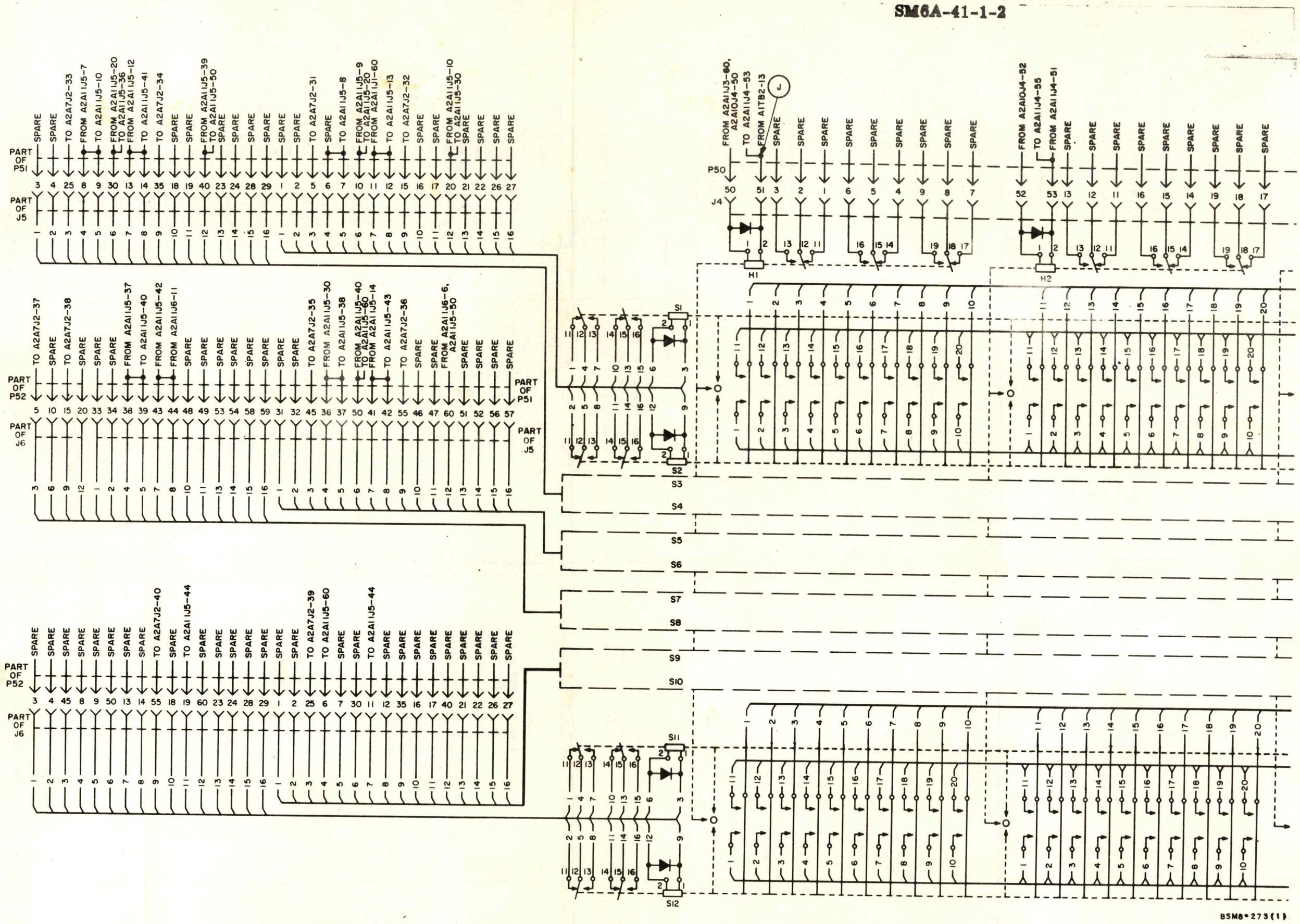


Figure 8-273. Collins Radio Digital Monitor Selection Matrix 30A2A11 (Sheet 1 of 3)

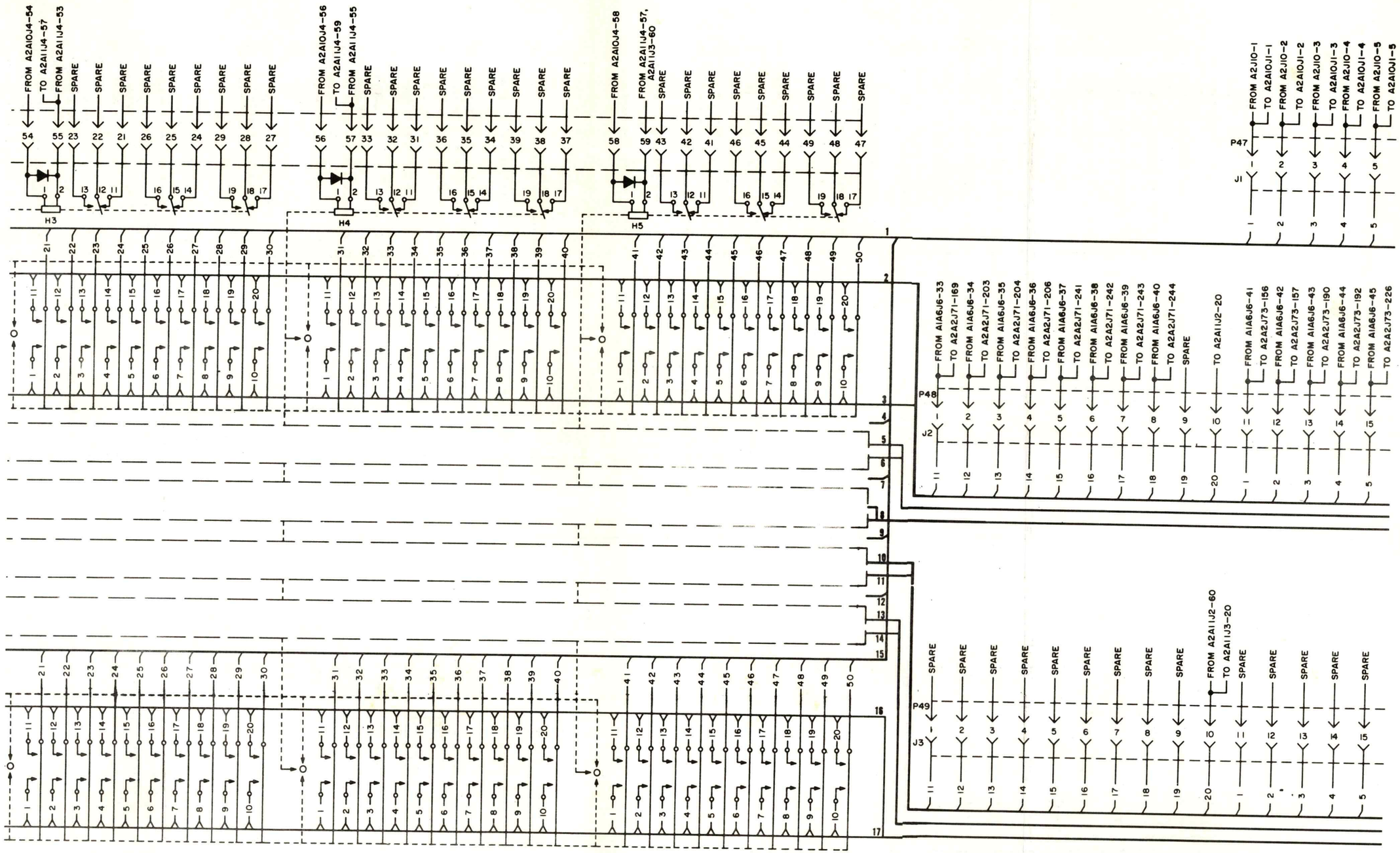


Figure 8-273. Collins Radio Digital Monitor Selection Matrix 30A2A11 (Sheet 2 of 3)

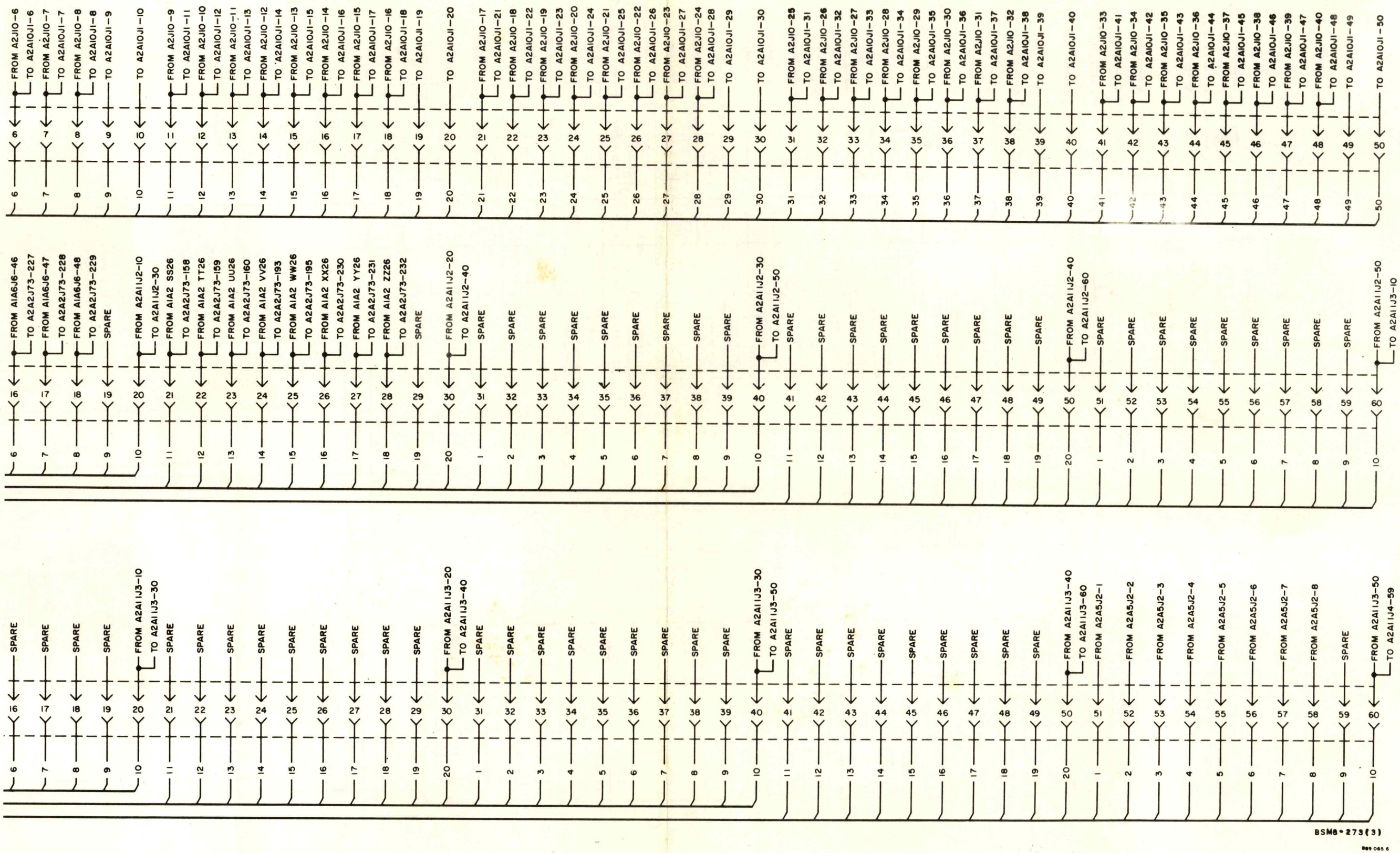


Figure 8-273. Collins Radio Digital Monitor Selection Matrix 30A2A11 (Sheet 3 of 3)

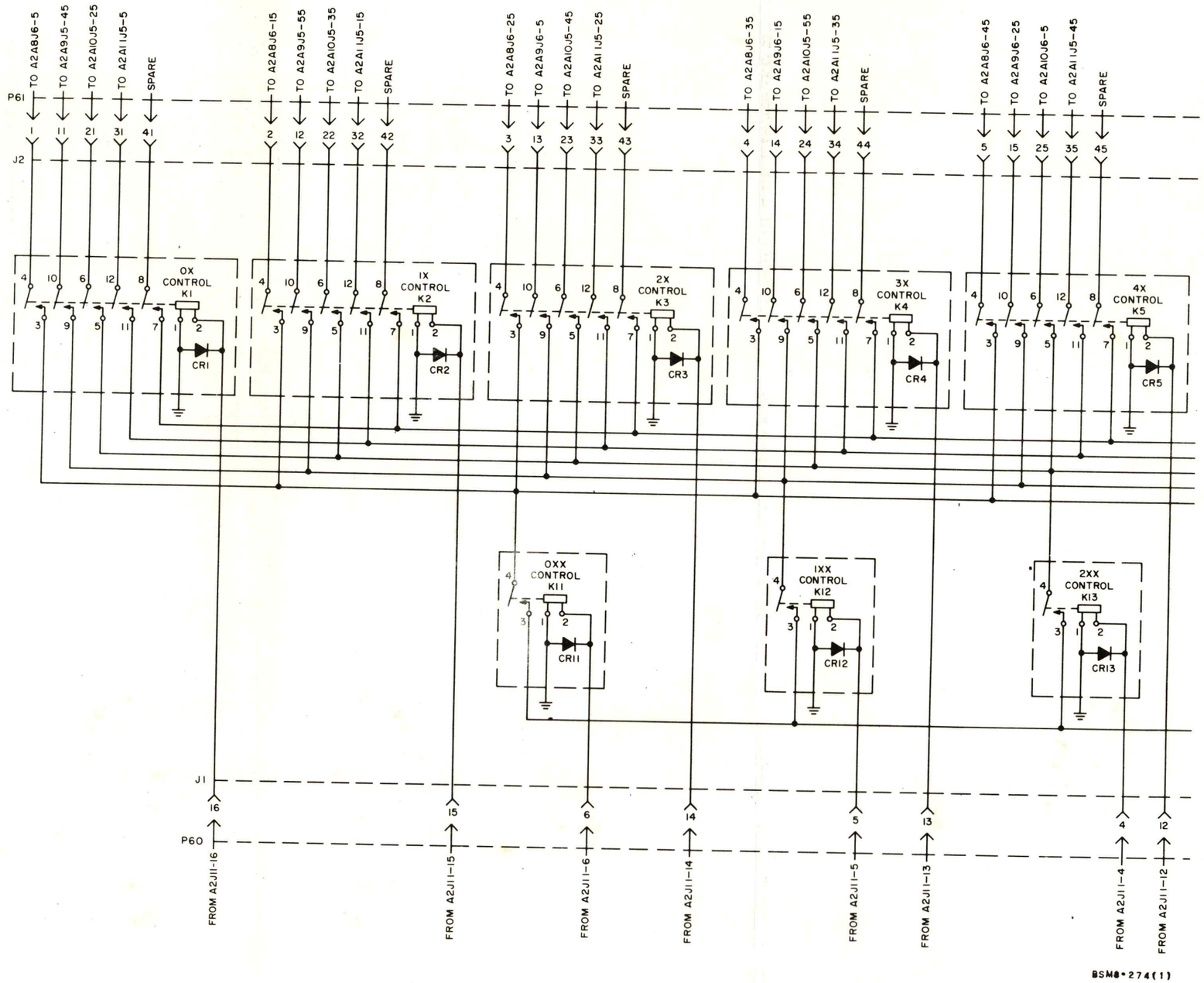


Figure 8-274. Collins Radio Monitor Selection Decoder, Digital (Sheet 1 of 2)

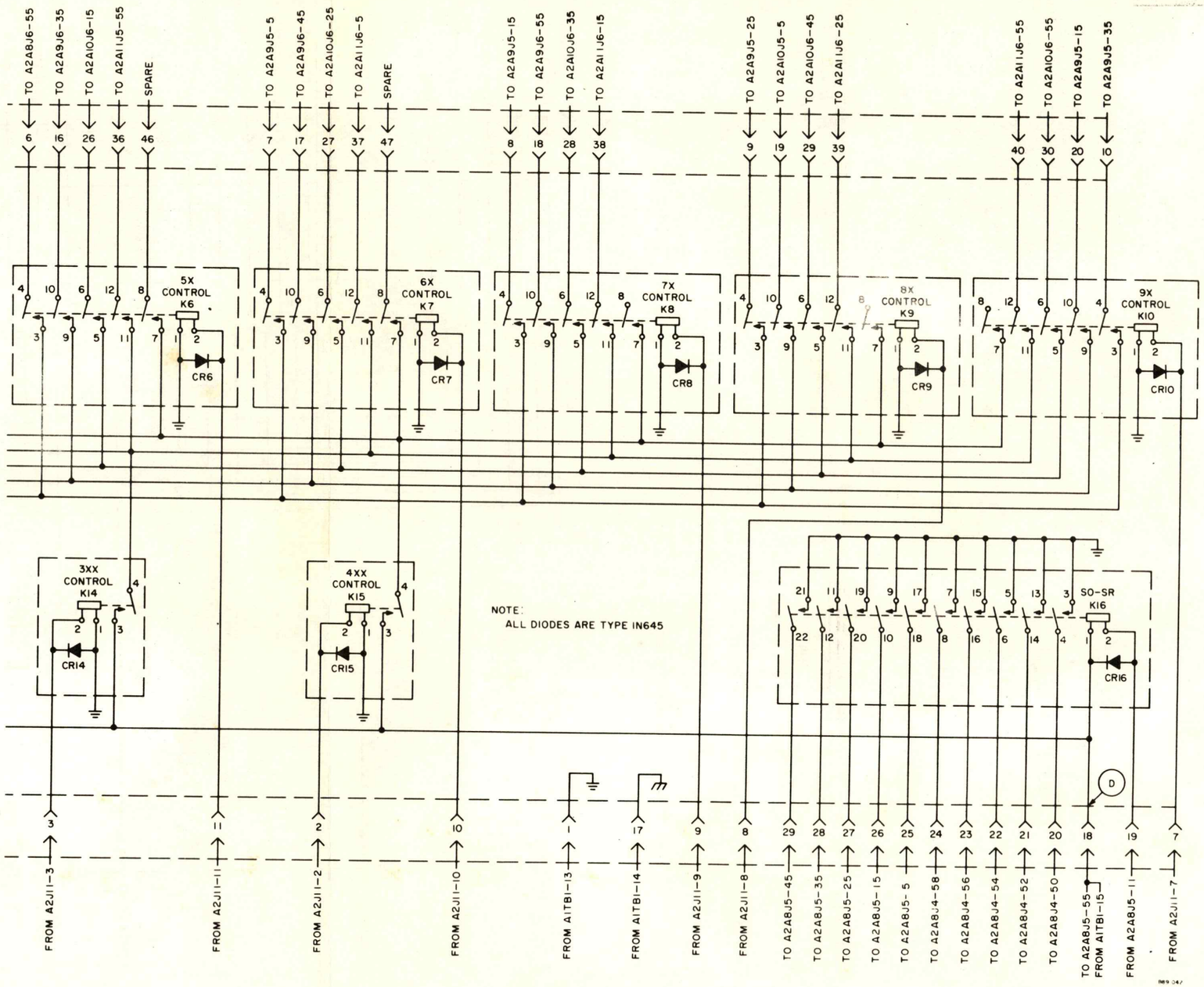


Figure 8-274. Collins Radio Monitor Selection Decoder, Digital (Sheet 2 of 2)

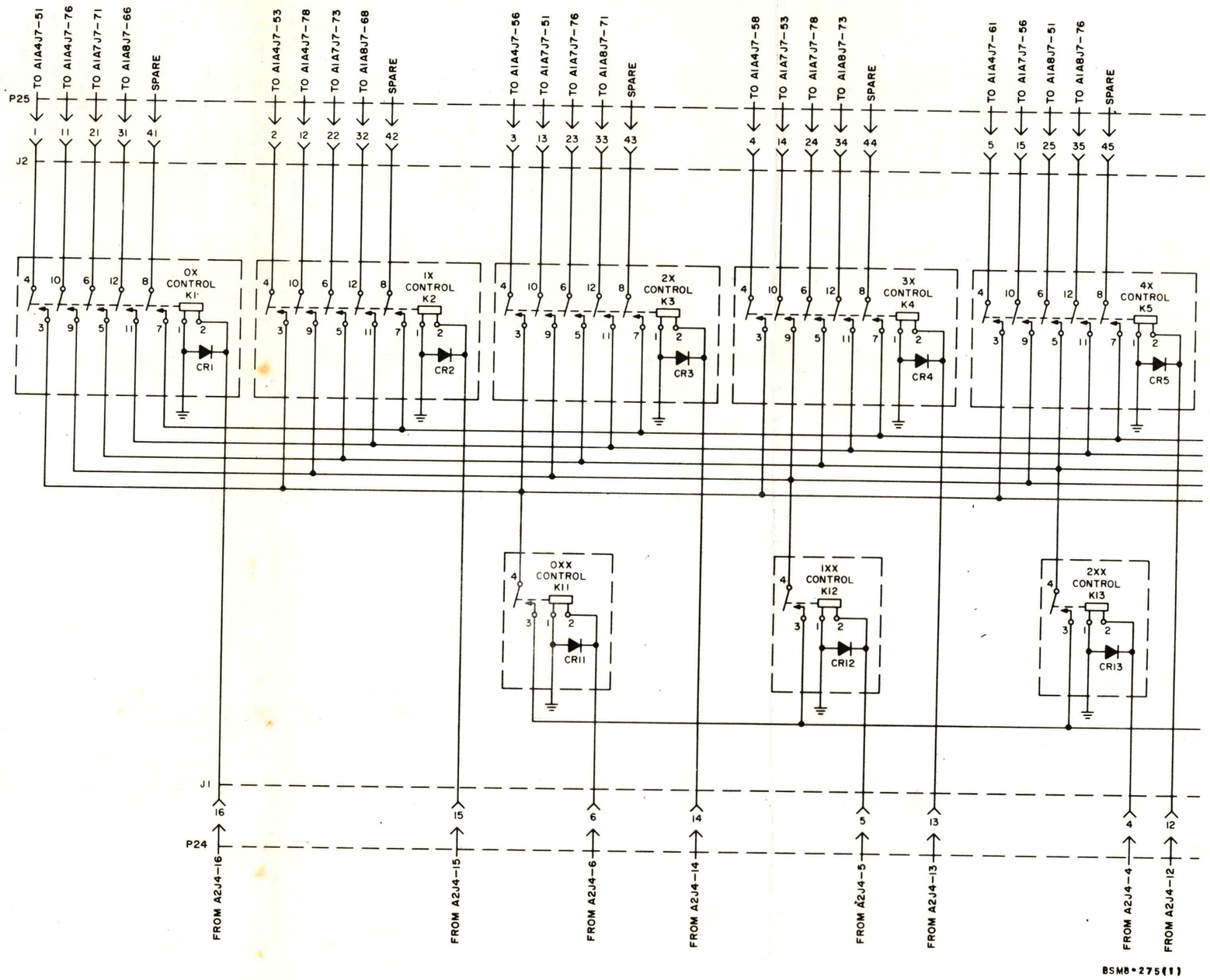


Figure 8-275. Collins Radio Monitor Selection Decoder, Analog (Sheet 1 of 2)

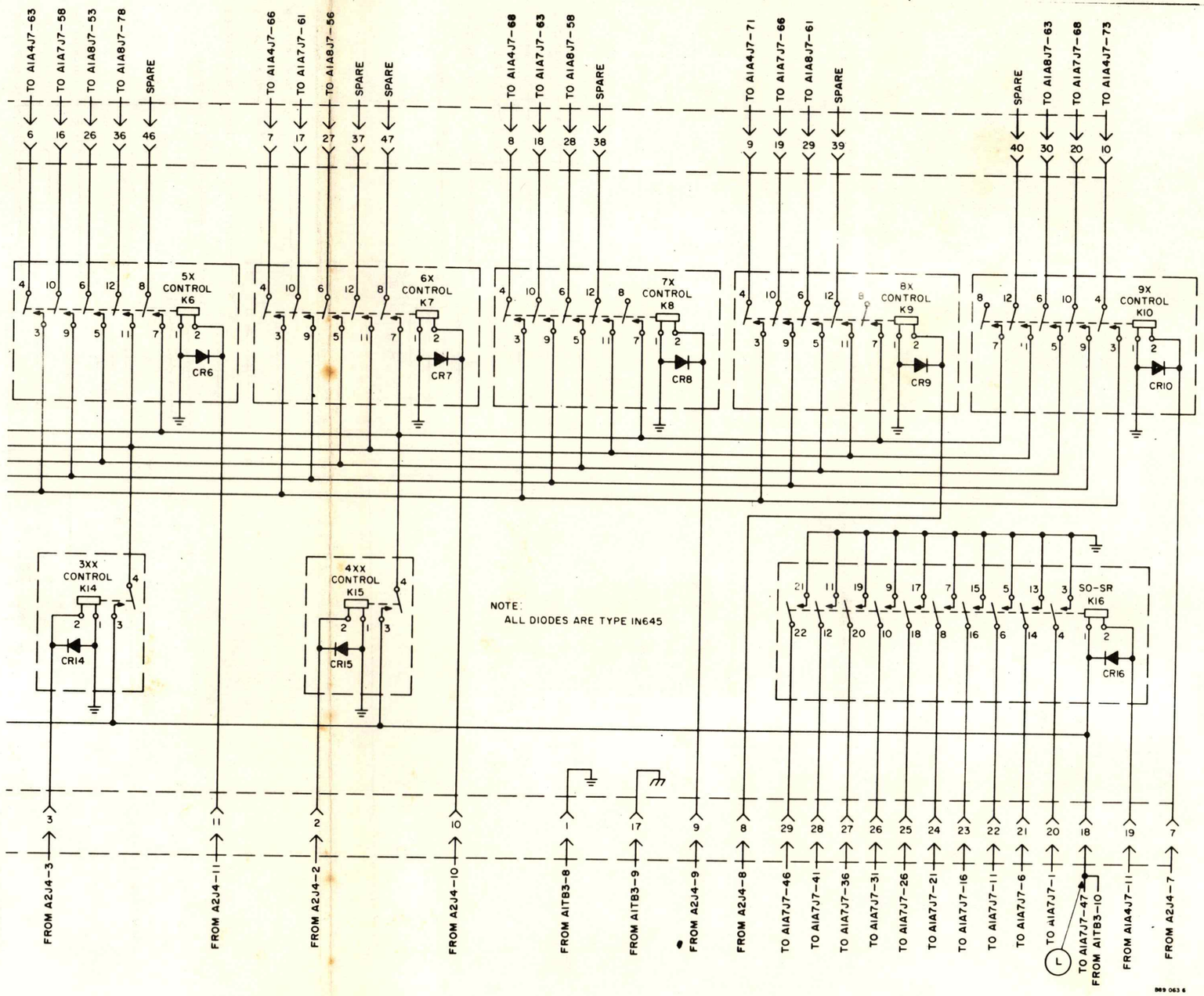


Figure 8-275. Collins Radio Monitor Selection Decoder, Analog (Sheet 2 of 2)

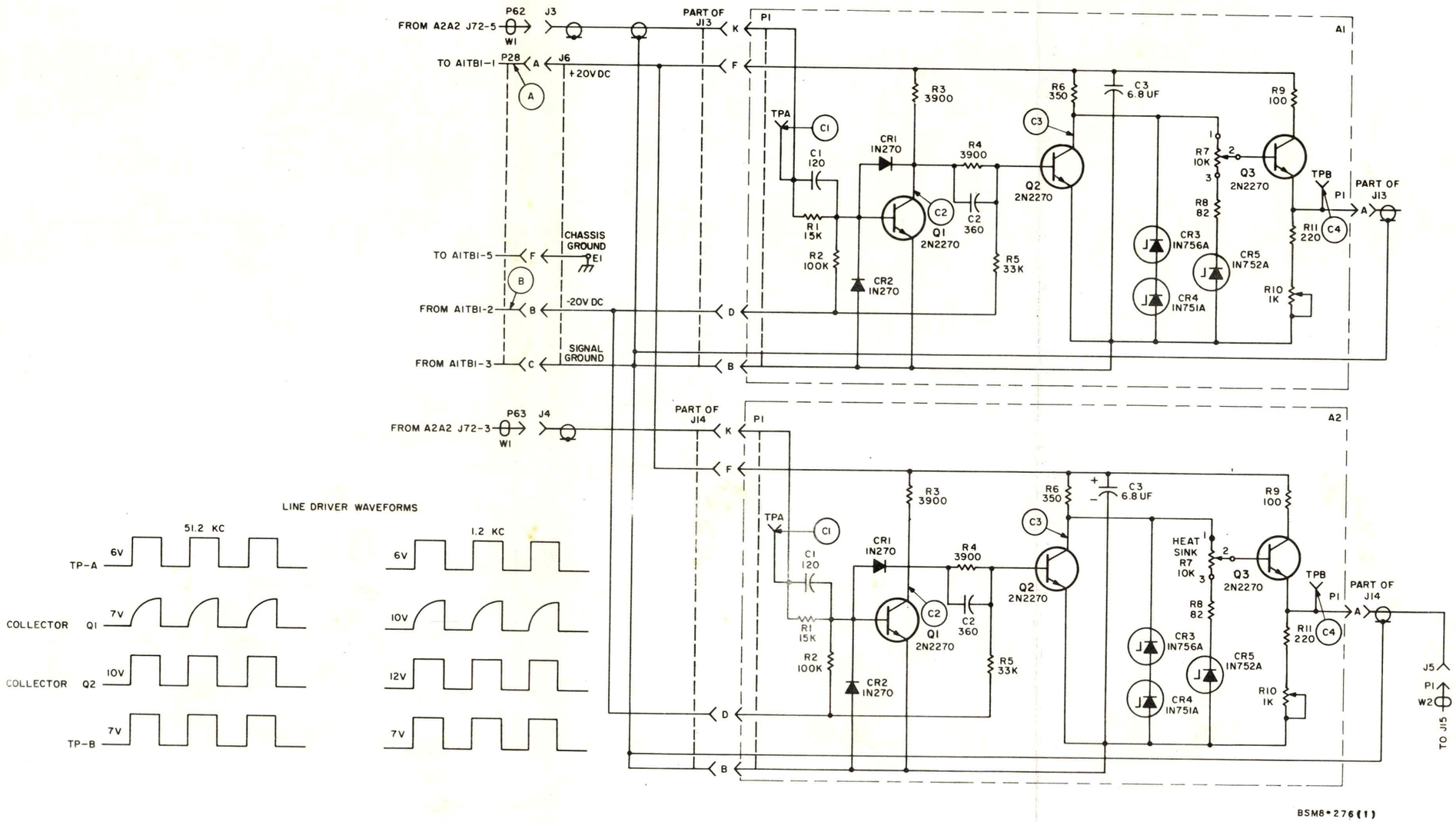
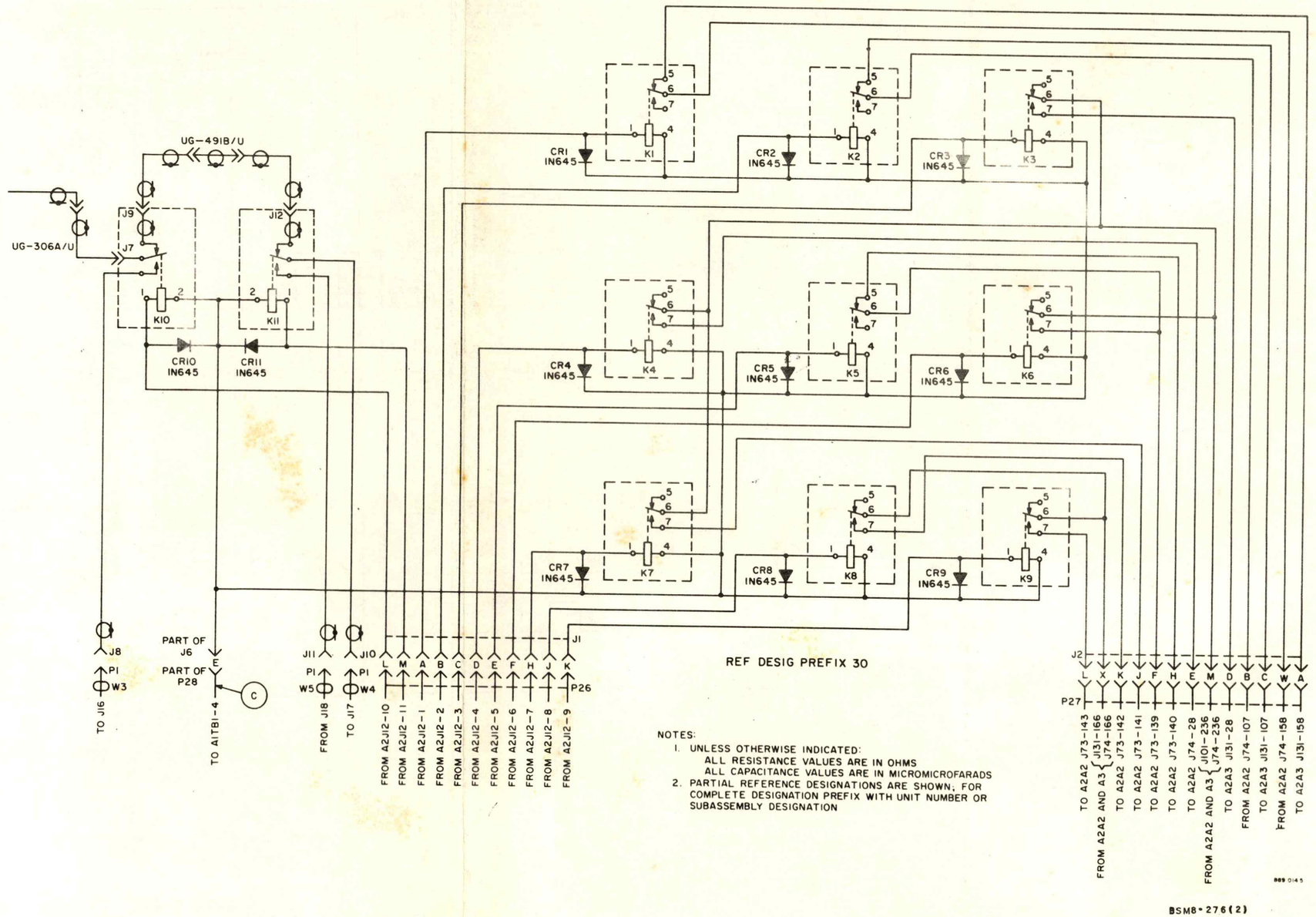


Figure 8-276. Collins Radio PCM Fault Control and Line Driver Assembly (Sheet 1 of 2)



NOTES:
1. UNLESS OTHERWISE INDICATED:
   ALL RESISTANCE VALUES ARE IN OHMS
   ALL CAPACITANCE VALUES ARE IN MICROMICROFARADS
2. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN; FOR COMPLETE DESIGNATION PREFIX WITH UNIT NUMBER OR SUBASSEMBLY DESIGNATION

Figure 8-276. Collins Radio PCM Fault Control and Line Driver Assembly (Sheet 2 of 2)

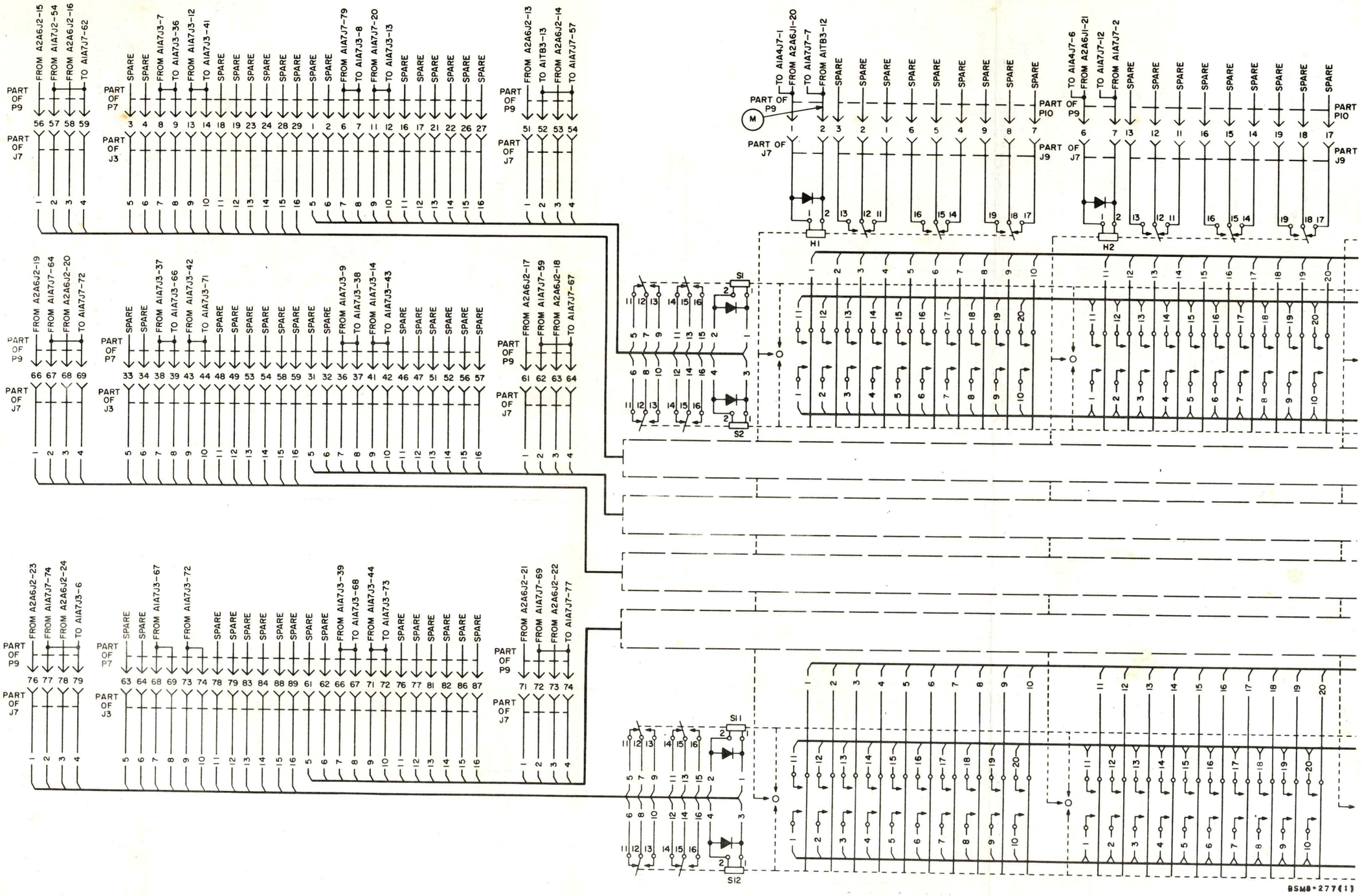


Figure 8-277. Collins Radio Analog Monitor Selection Matrix 30A1A7 (Sheet 1 of 4)

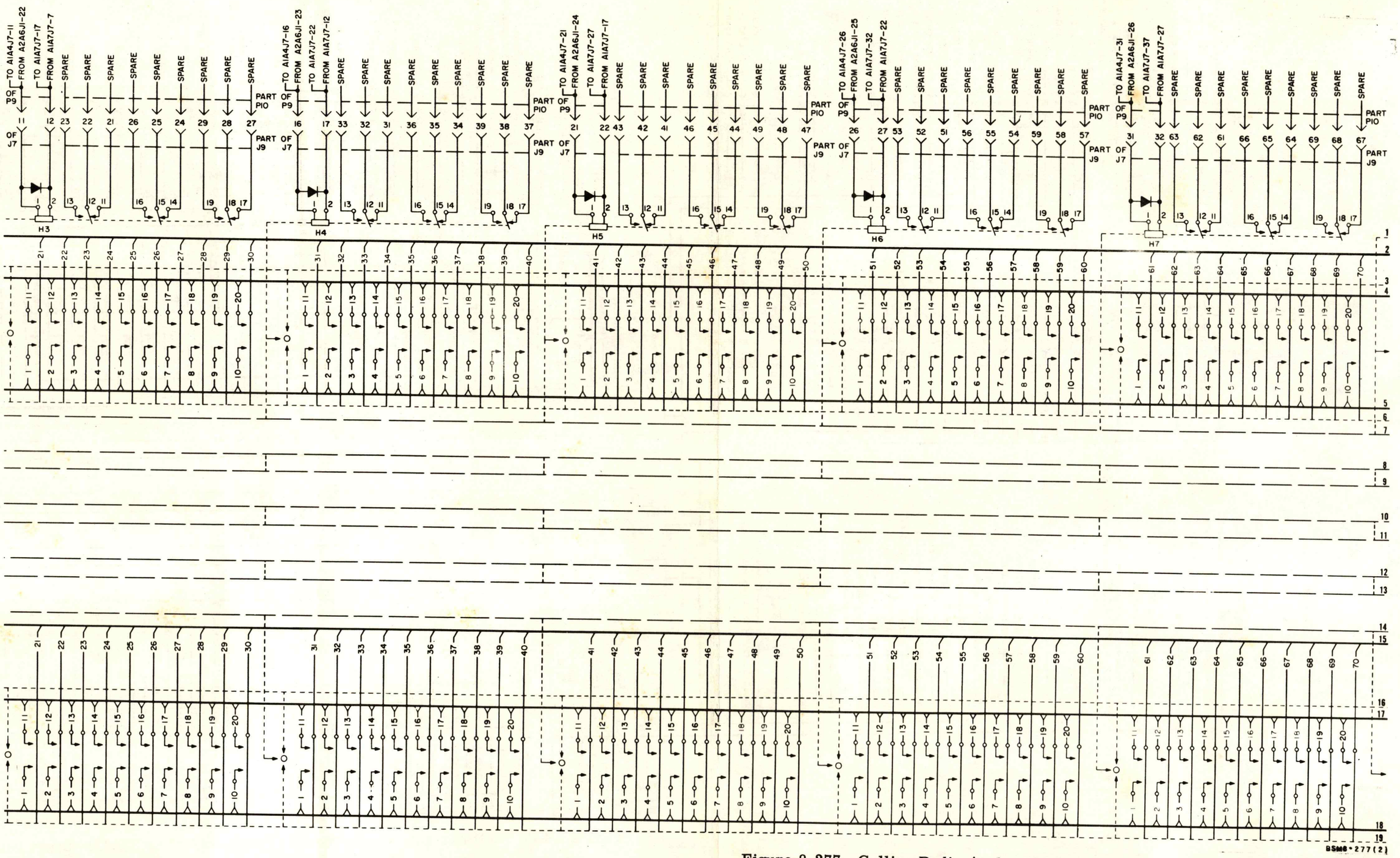


Figure 8-277. Collins Radio Analog Monitor Selection Matrix 30A1A7 (Sheet 2 of 4)

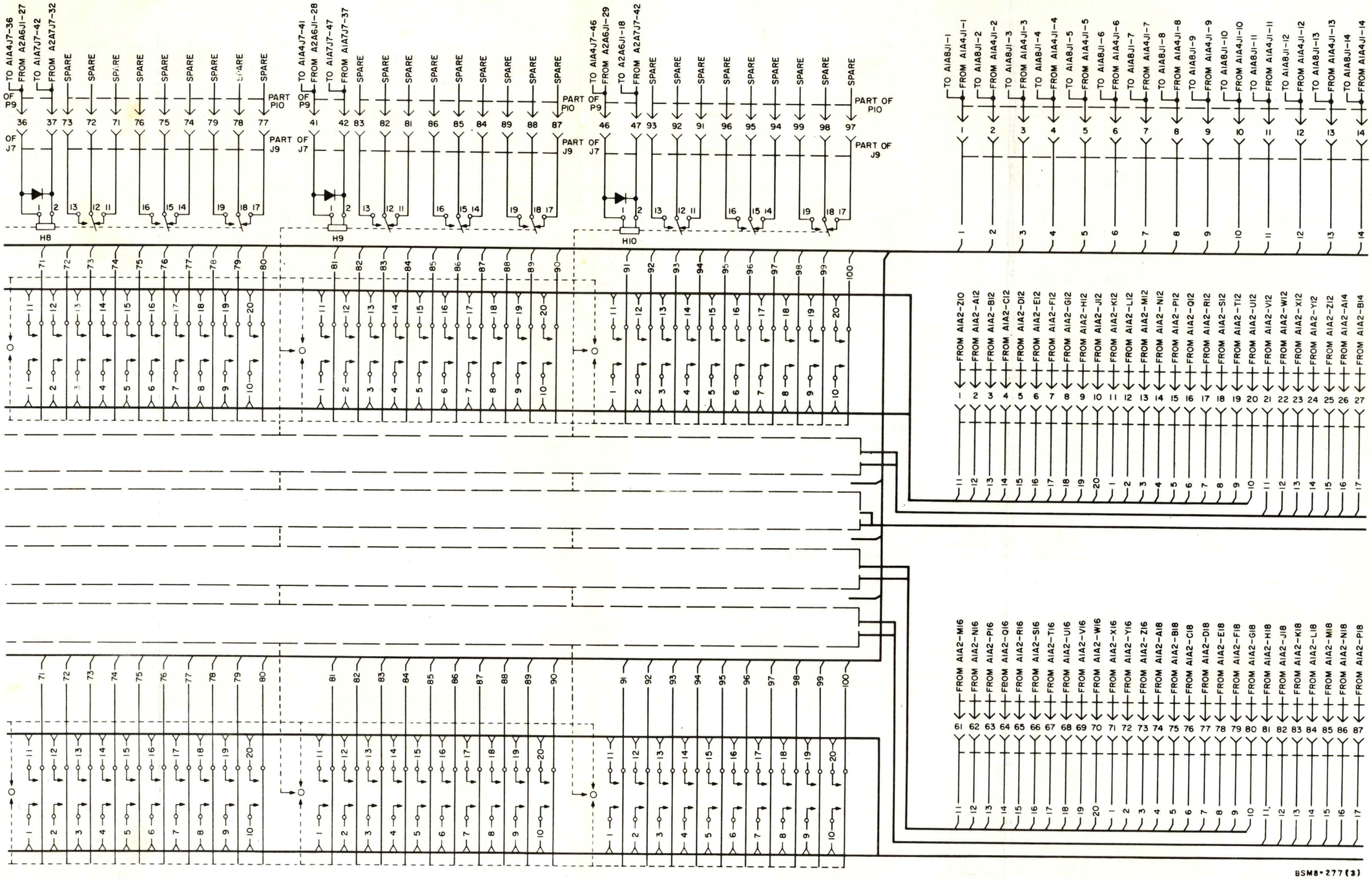


Figure 8-277. Collins Radio Analog Monitor Selection Matrix 30A1A7 (Sheet 3 of 4)

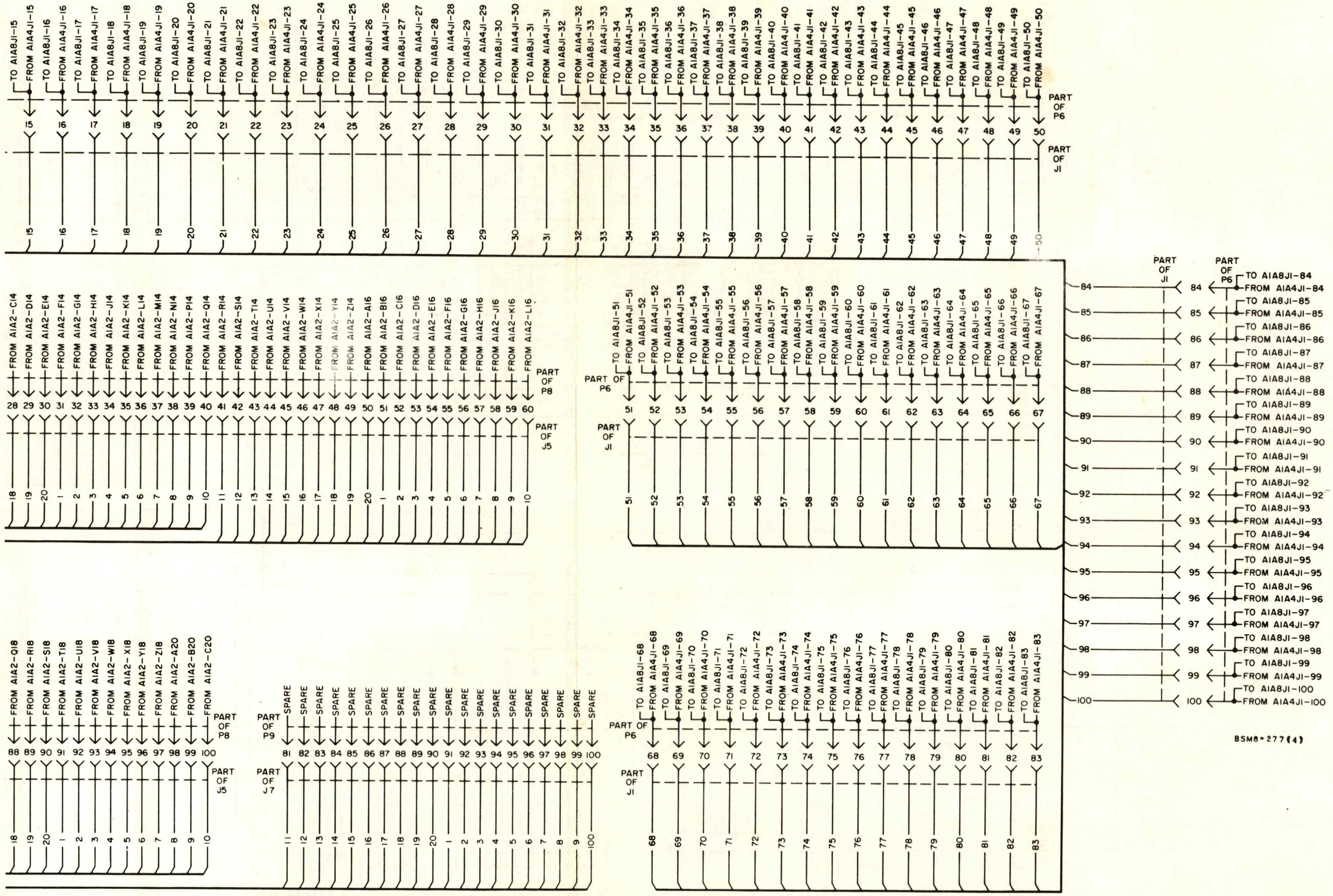


Figure 8-277. Collins Radio Analog Monitor Selection Matrix 30 A1A7 (Sheet 4 of 4)

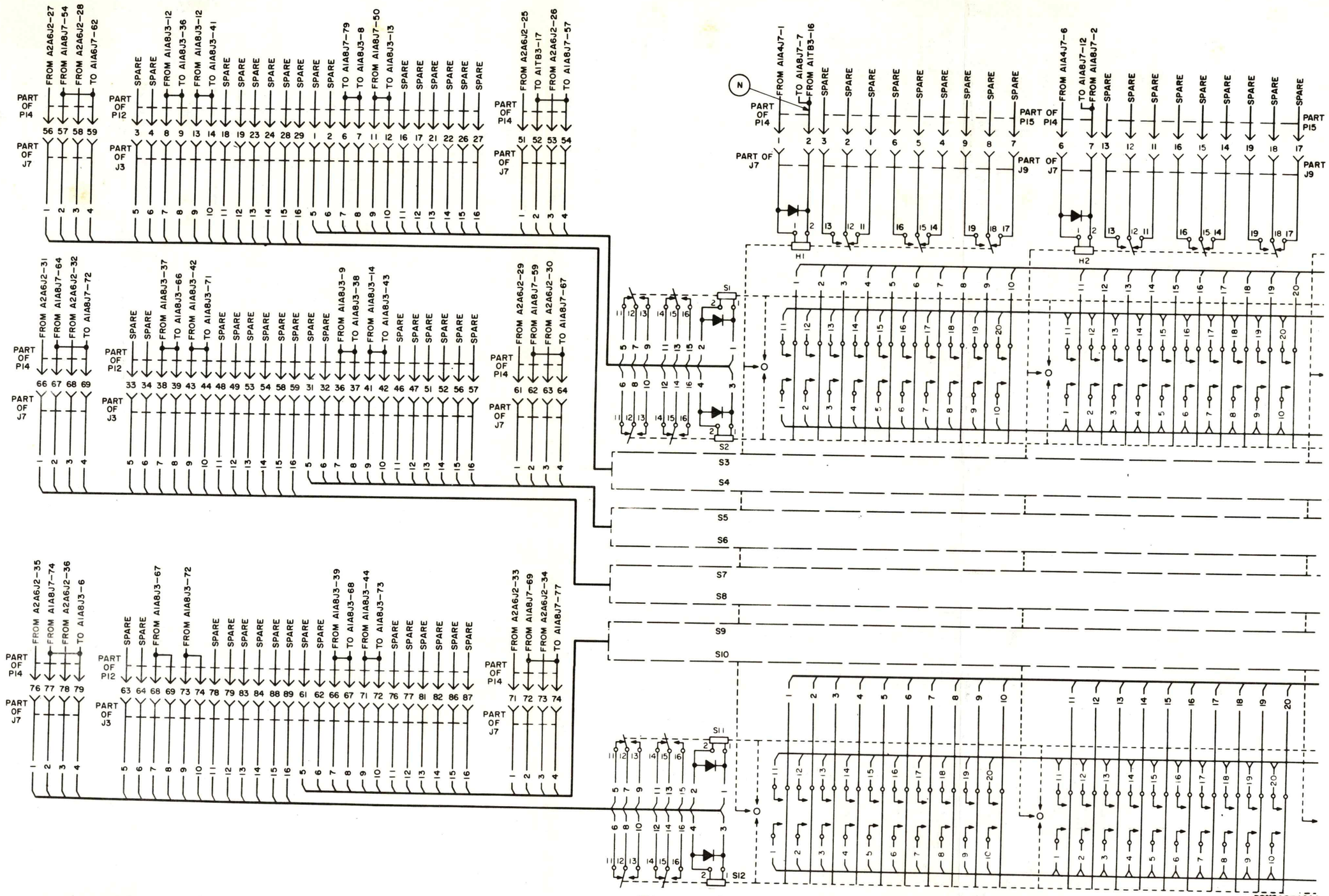


Figure 8-278. Collins Radio Analog Monitor Selection Matrix 30A1A8 (Sheet 1 of 4)

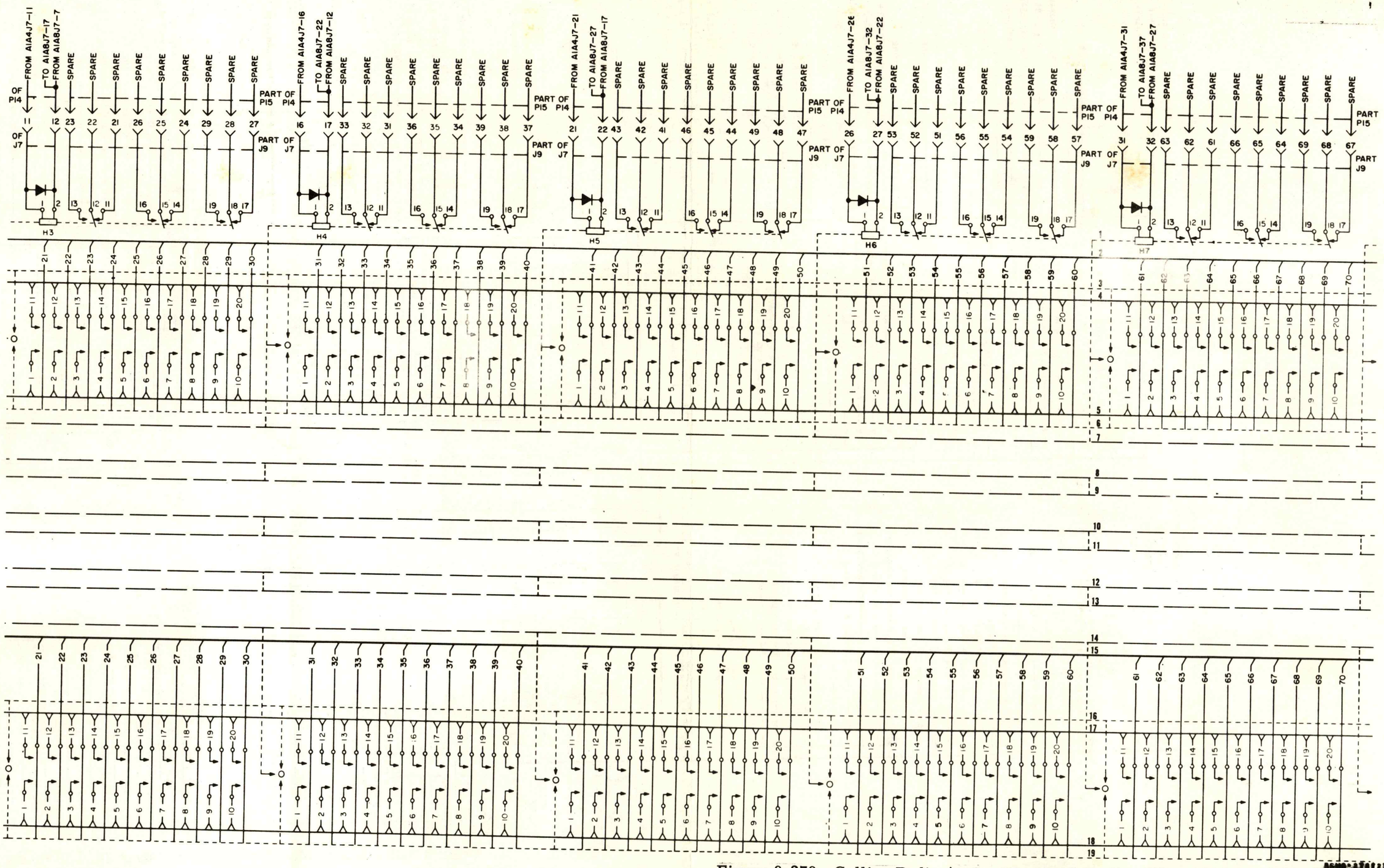


Figure 8-278. Collins Radio Analog Monitor Selection Matrix 30A1A8 (Sheet 2 of 4)

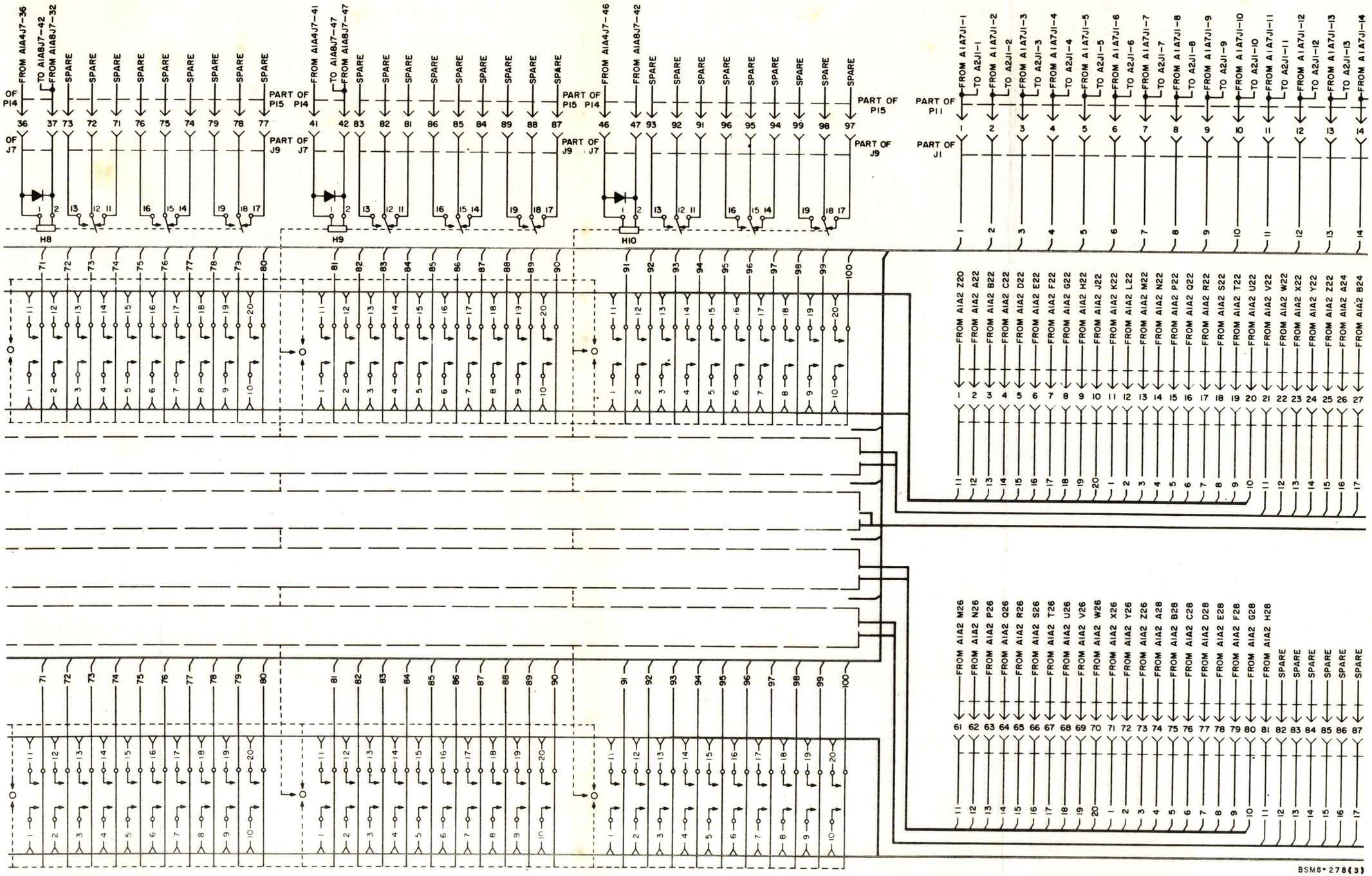


Figure 8-278. Collins Radio Analog Monitor Selection Matrix 30A1A8 (Sheet 3 of 4)

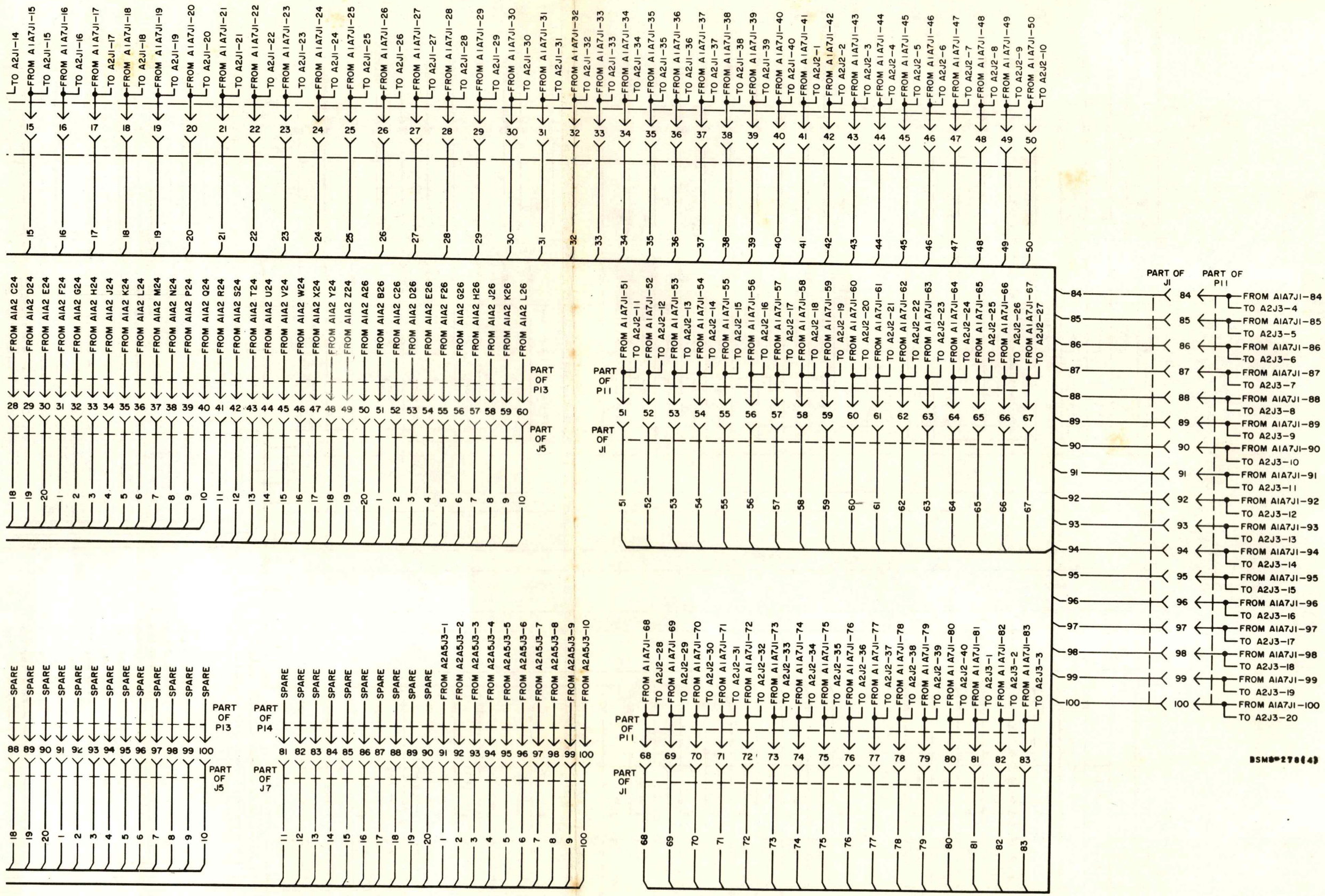


Figure 8-278. Collins Radio Analog Monitor Selection Matrix 30A1A8 (Sheet 4 of 4)

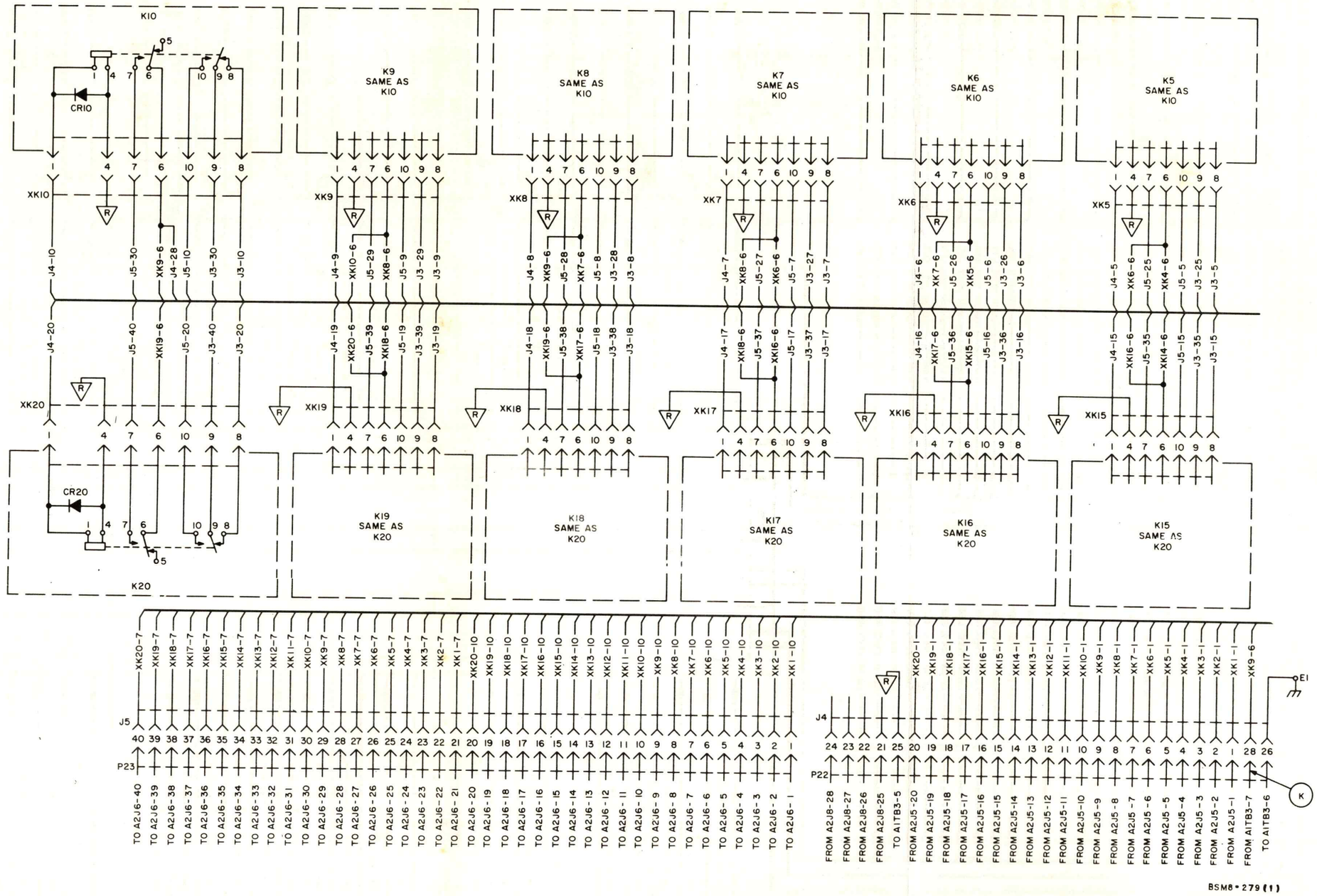


Figure 8-279. Collins Radio Analog Fault Panel 30A1A5 (Sheet 1 of 2)

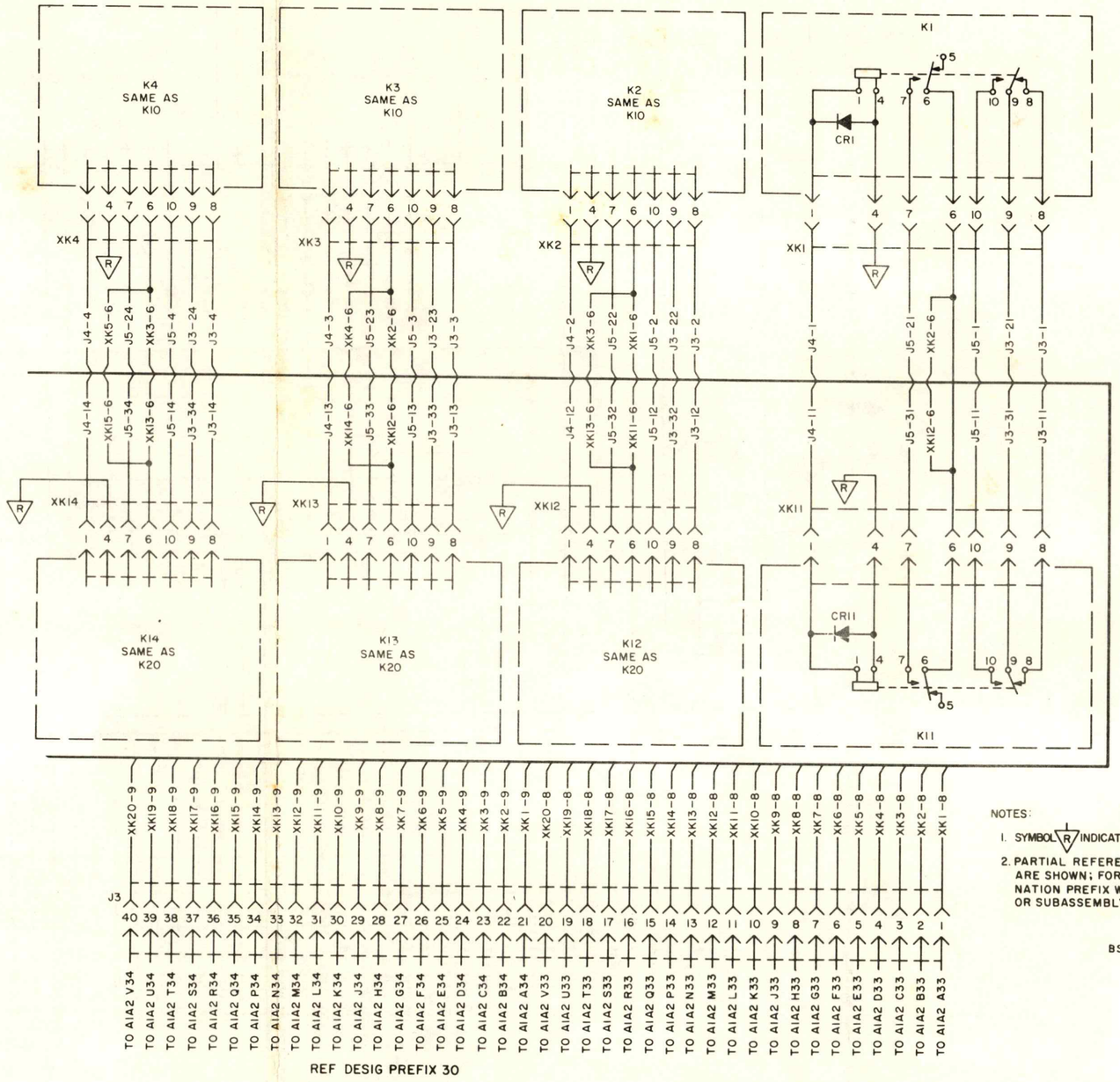


Figure 8-279. Collins Radio Analog Fault Panel 30A1A5 (Sheet 2 of 2)

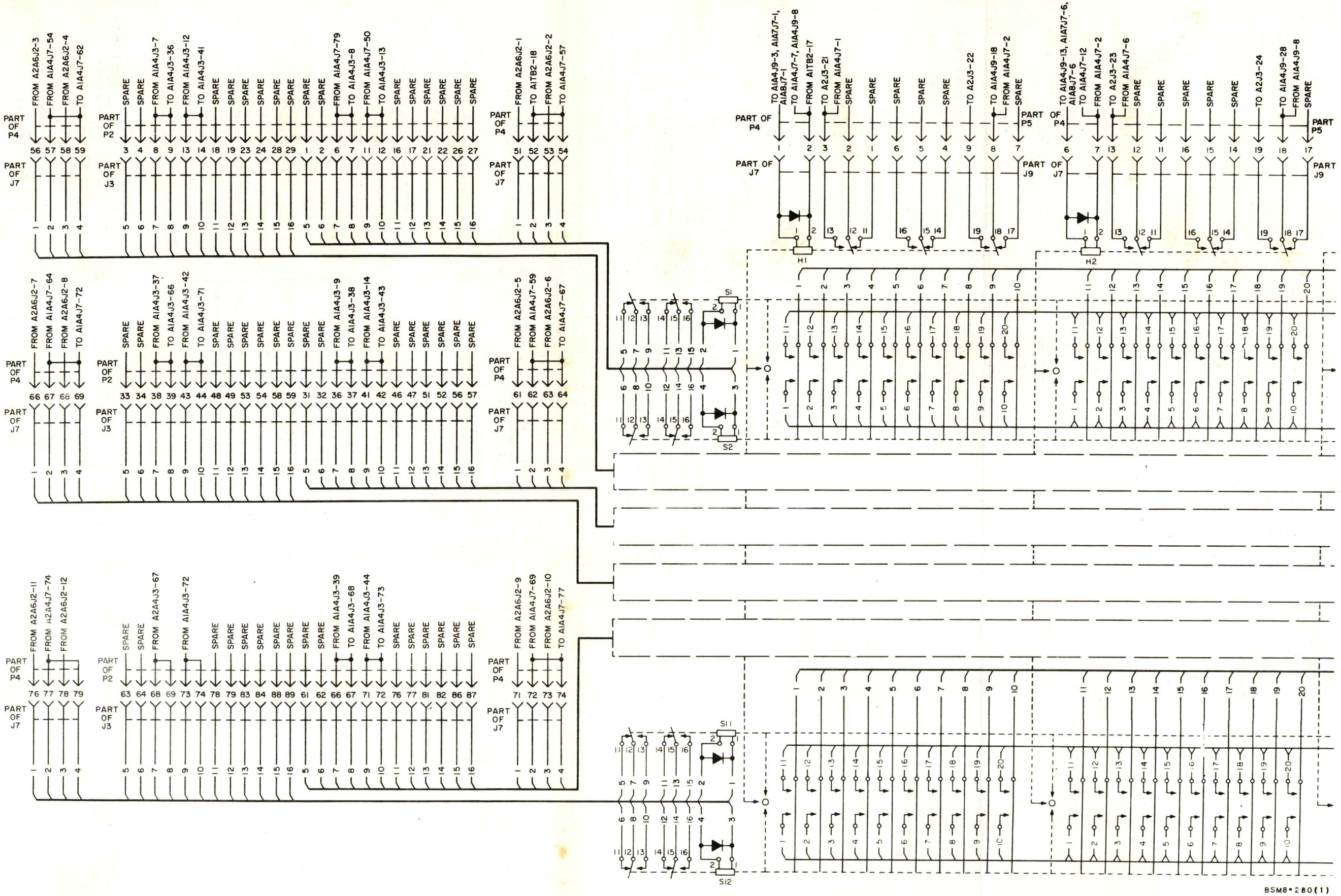


Figure 8-280. Collins Radio Analog Monitor Selection Matrix 30A1A4 (Sheet 1 of 4)

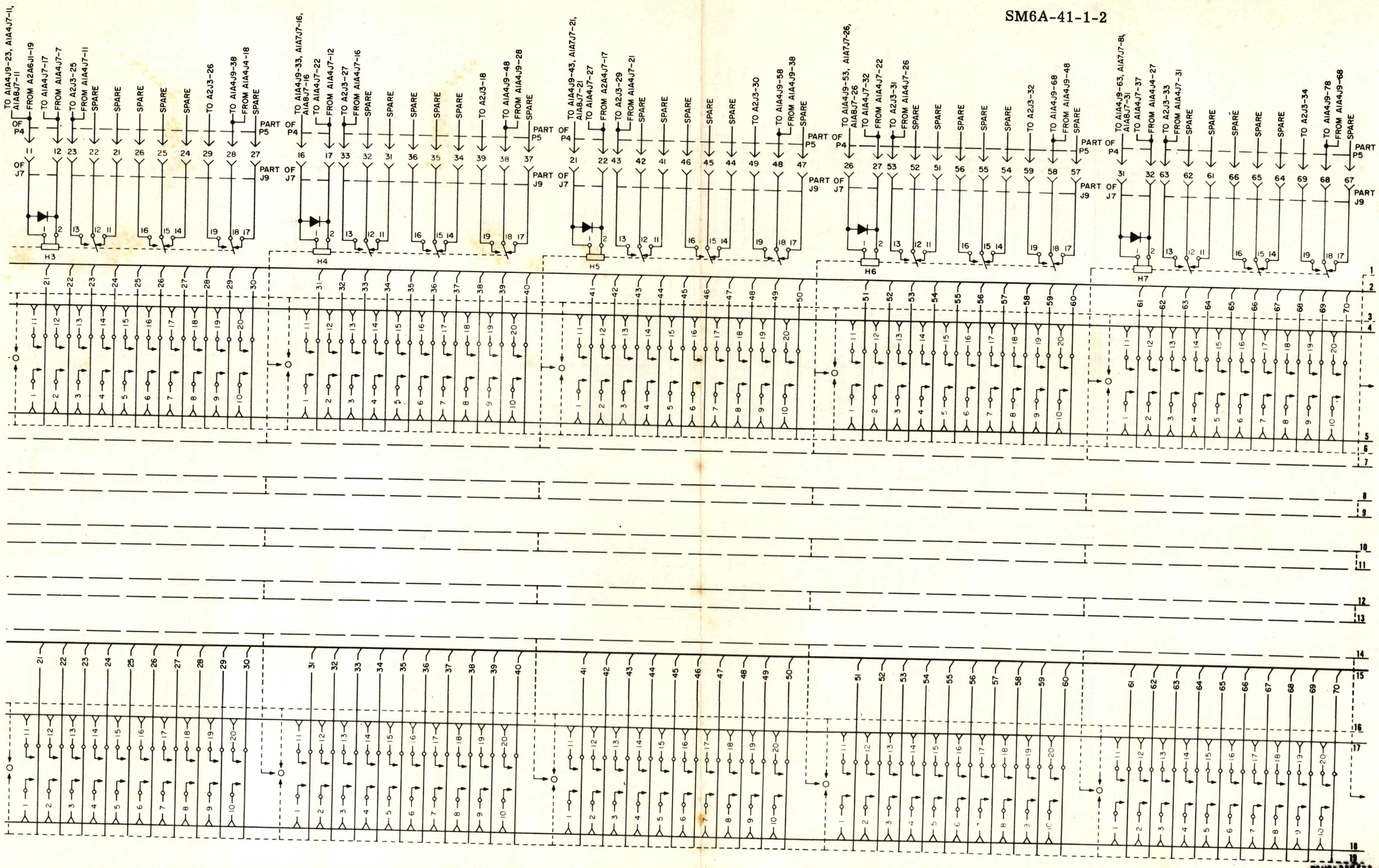


Figure 8-280. Collins Radio Analog Monitor Selection Matrix 30A1A4 (Sheet 2 of 4)

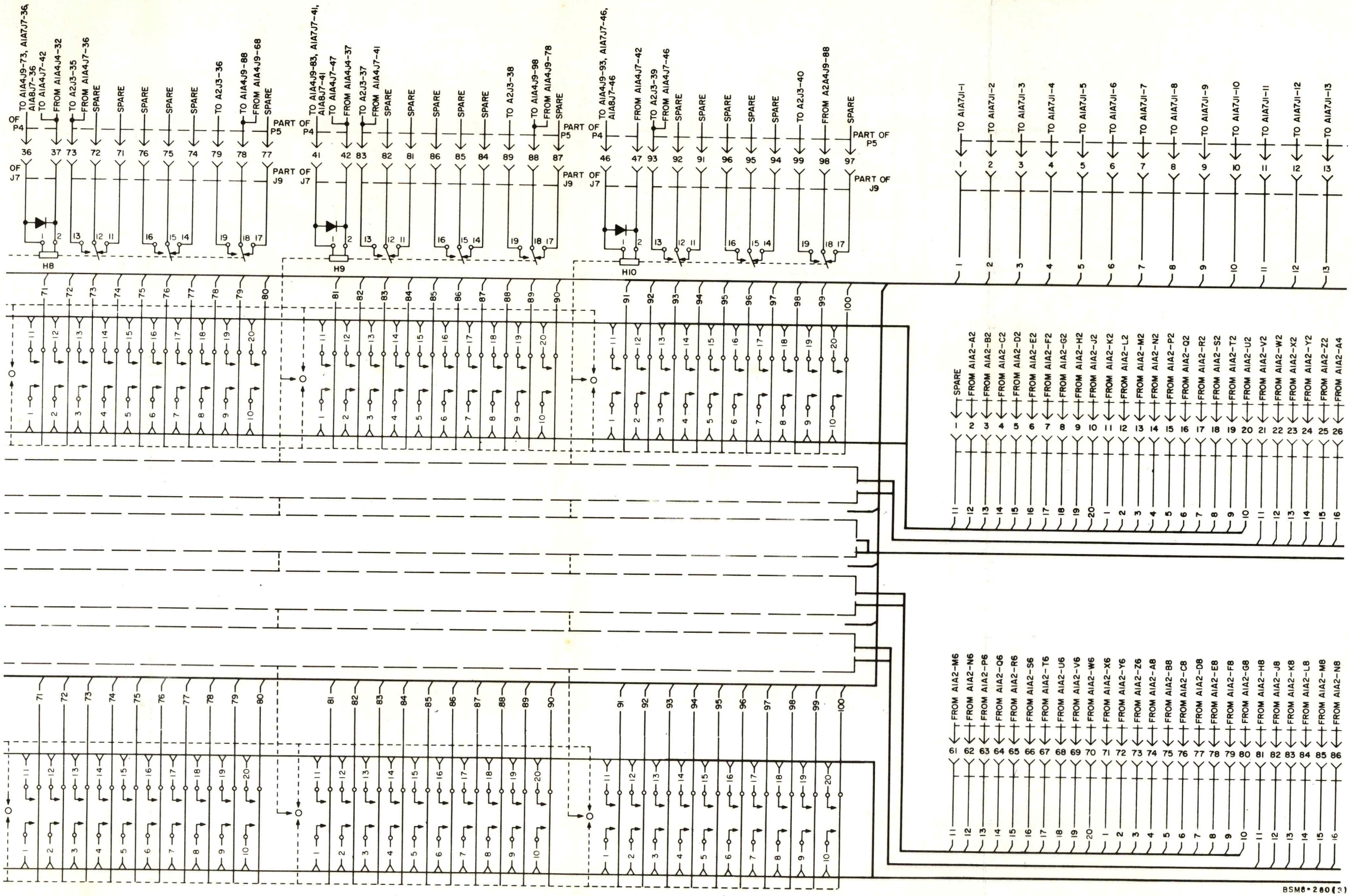


Figure 8-280. Collins Radio Analog Monitor Selection Matrix 30A1A4 (Sheet 3 of 4)

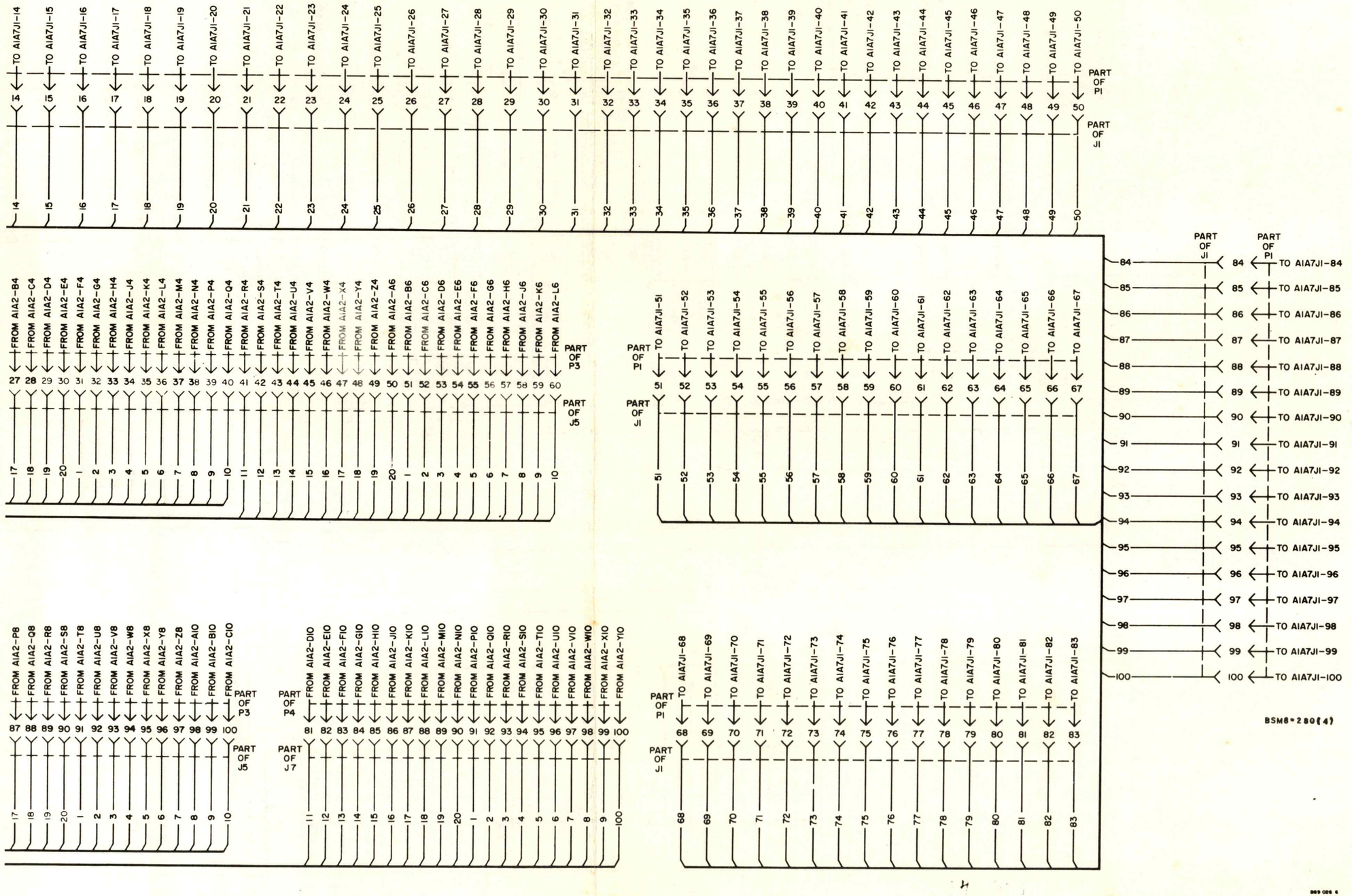
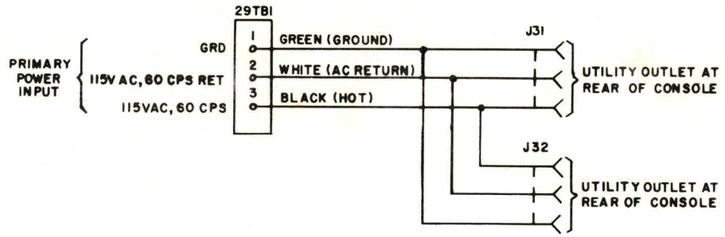
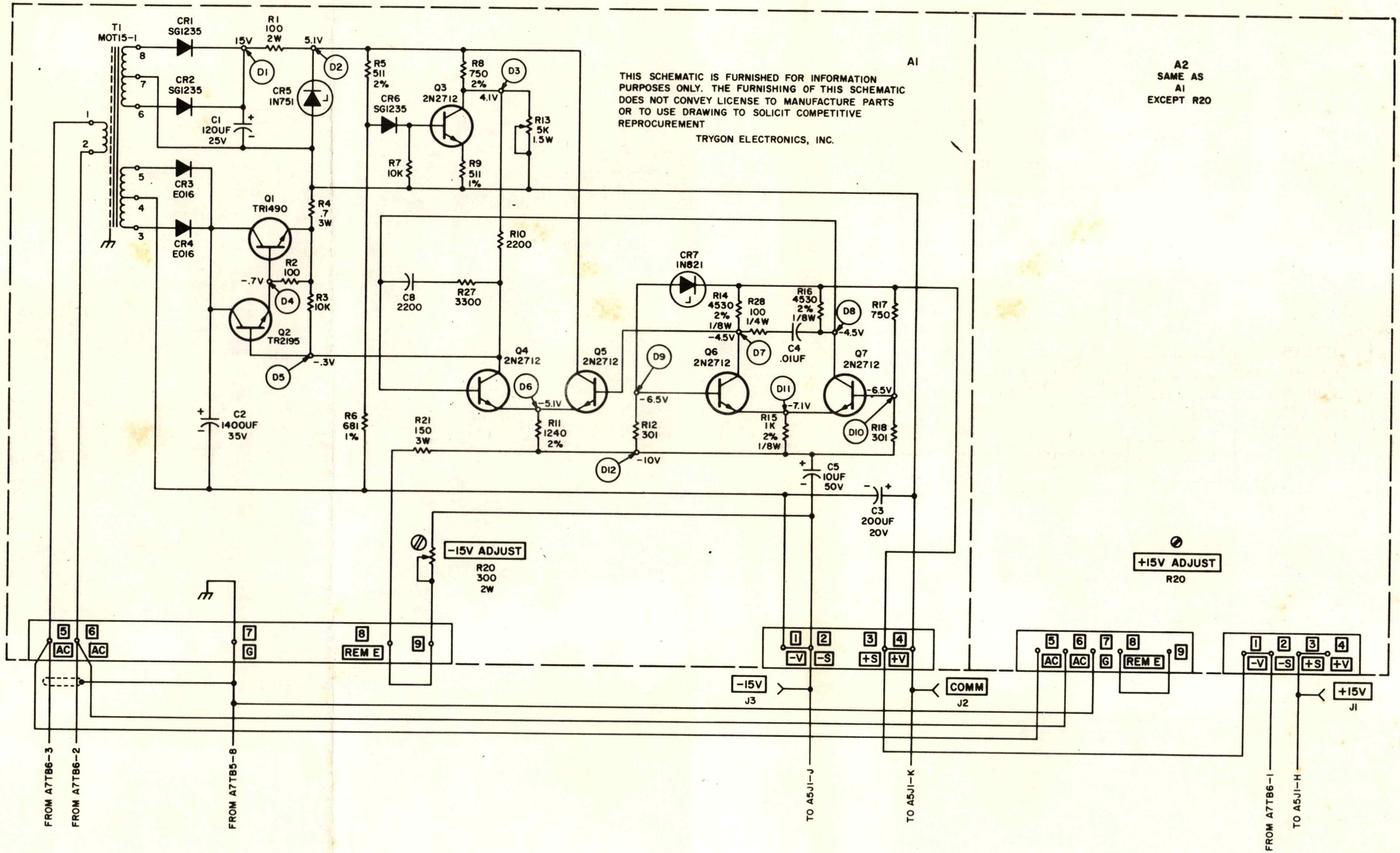


Figure 8-280. Collins Radio Analog Monitor Selection Matrix 30A1A4 (Sheet 4 of 4)



BSM8-281

Figure 8-281. Collins Radio Power Circuit for 115V, 60CPS Console Wiring



NOTES:
1. UNLESS OTHERWISE INDICATED:
   ALL RESISTANCE VALUES ARE IN OHMS AND 1/2 WATT
   ALL CAPACITANCE VALUES ARE IN MICROMICROFARADS
2. R13 IS A SEALED FACTORY ADJUSTMENT
3. ▭ INDICATES EQUIPMENT MARKING
4. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN; FOR COMPLETE DESIGNATION PREFIX WITH UNIT NUMBER OR SUBASSEMBLY DESIGNATION

Figure 8-282. Collins Radio ±15-Volt Power Supply

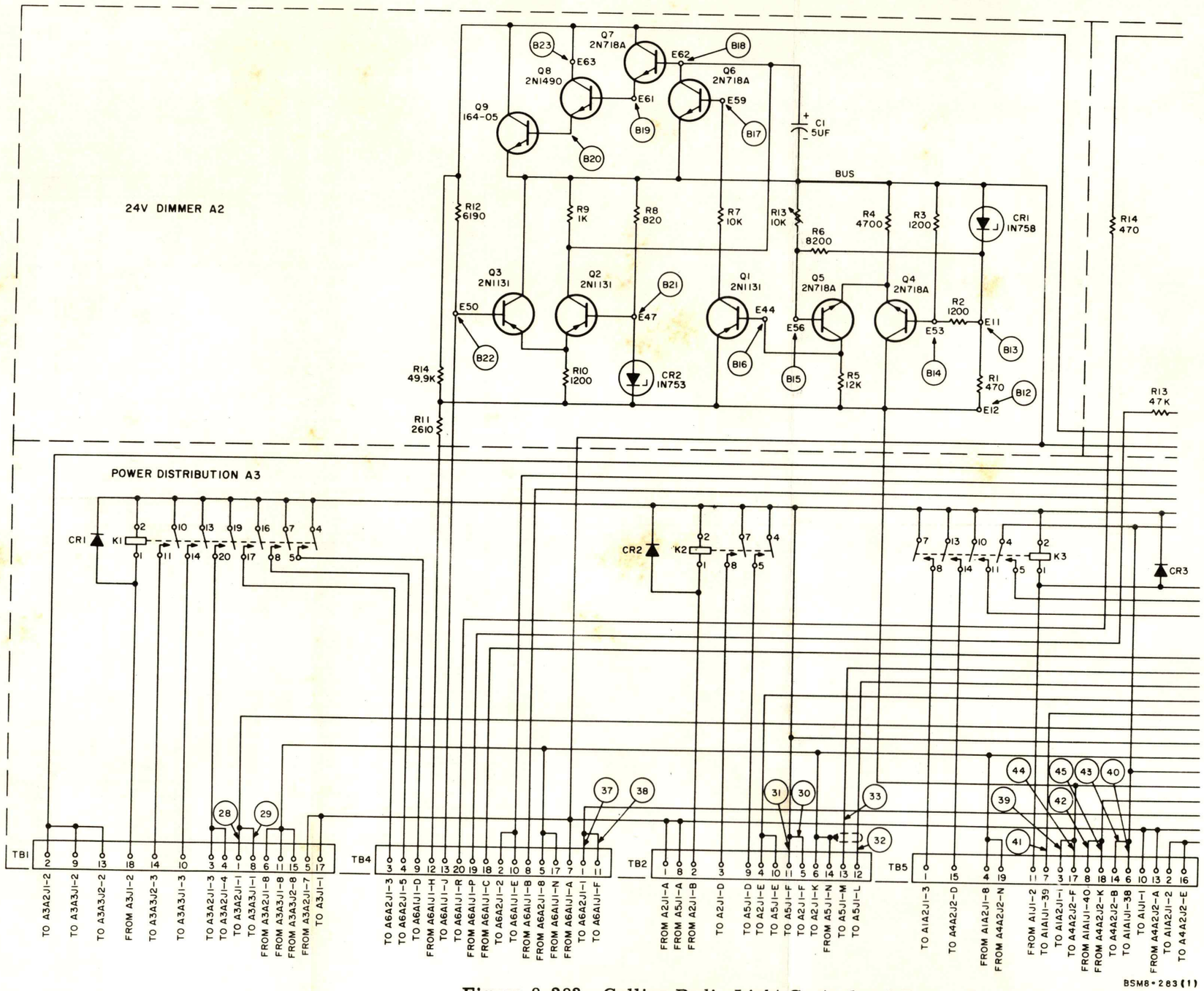


Figure 8-283. Collins Radio Light Control and Power Supply (Sheet 1 of 2)

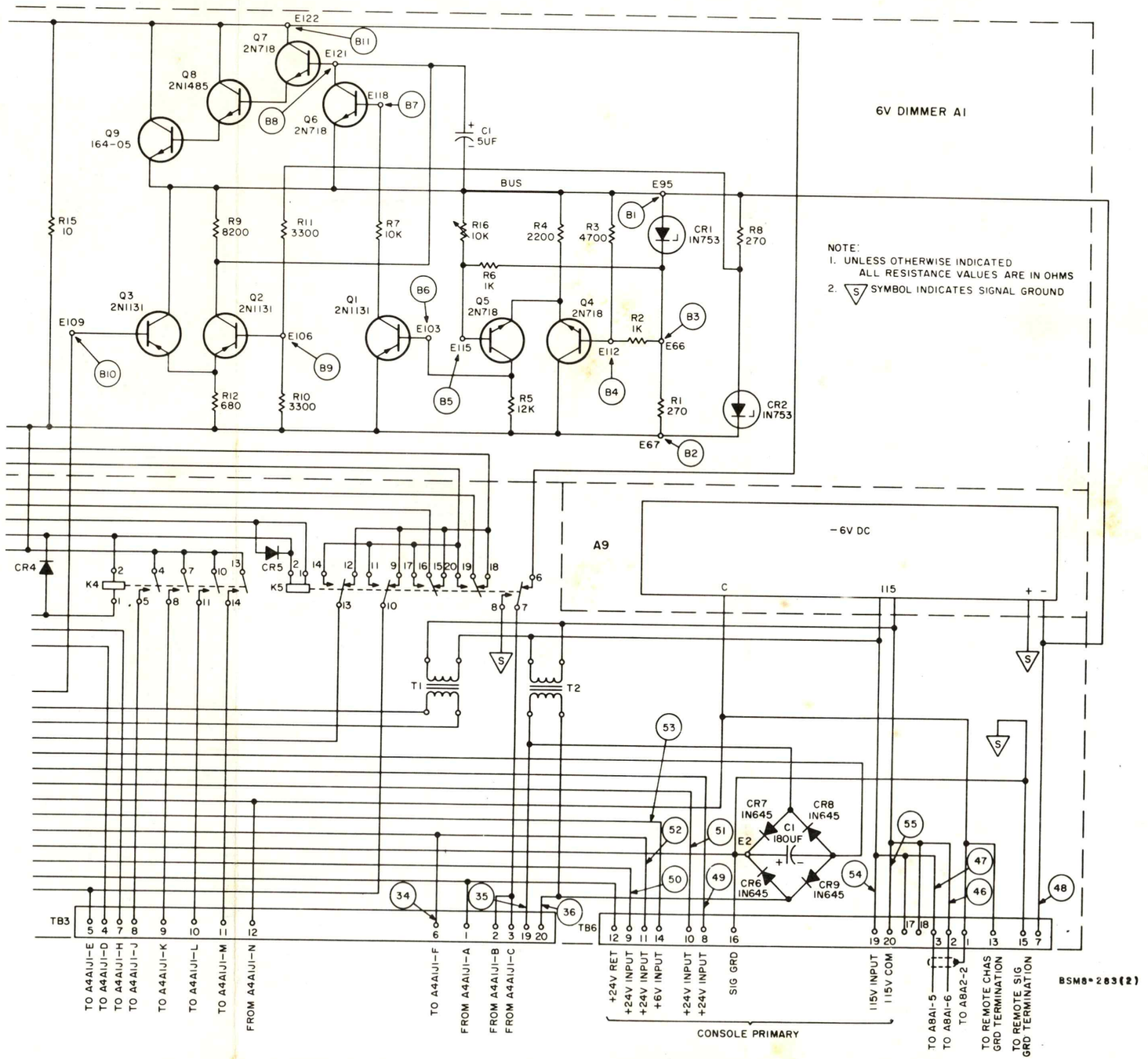


Figure 8-283. Collins Radio Light Control and Power Supply (Sheet 2 of 2)

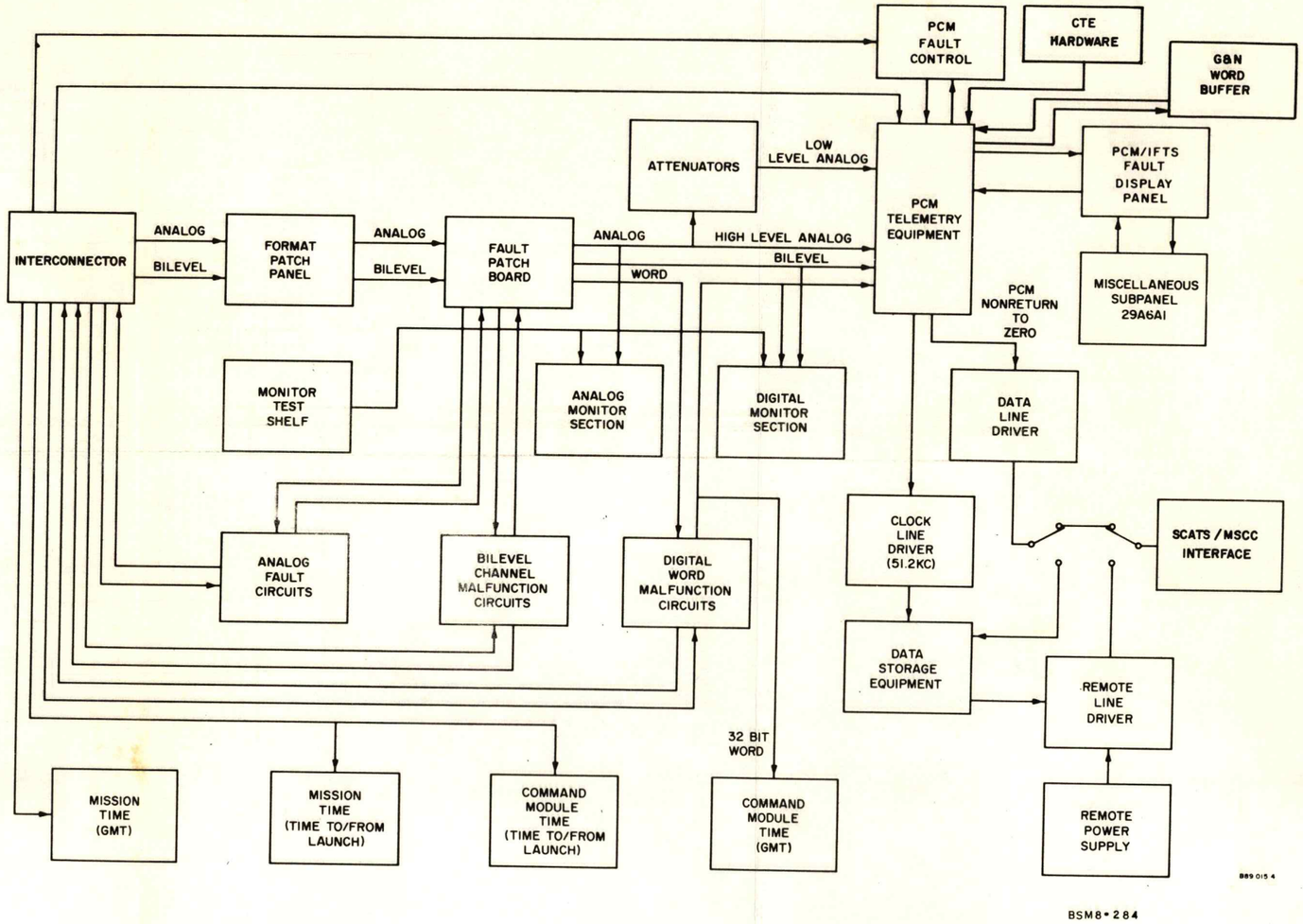


Figure 8-284. Collins Radio Communications and Data Subsystem Block Diagram

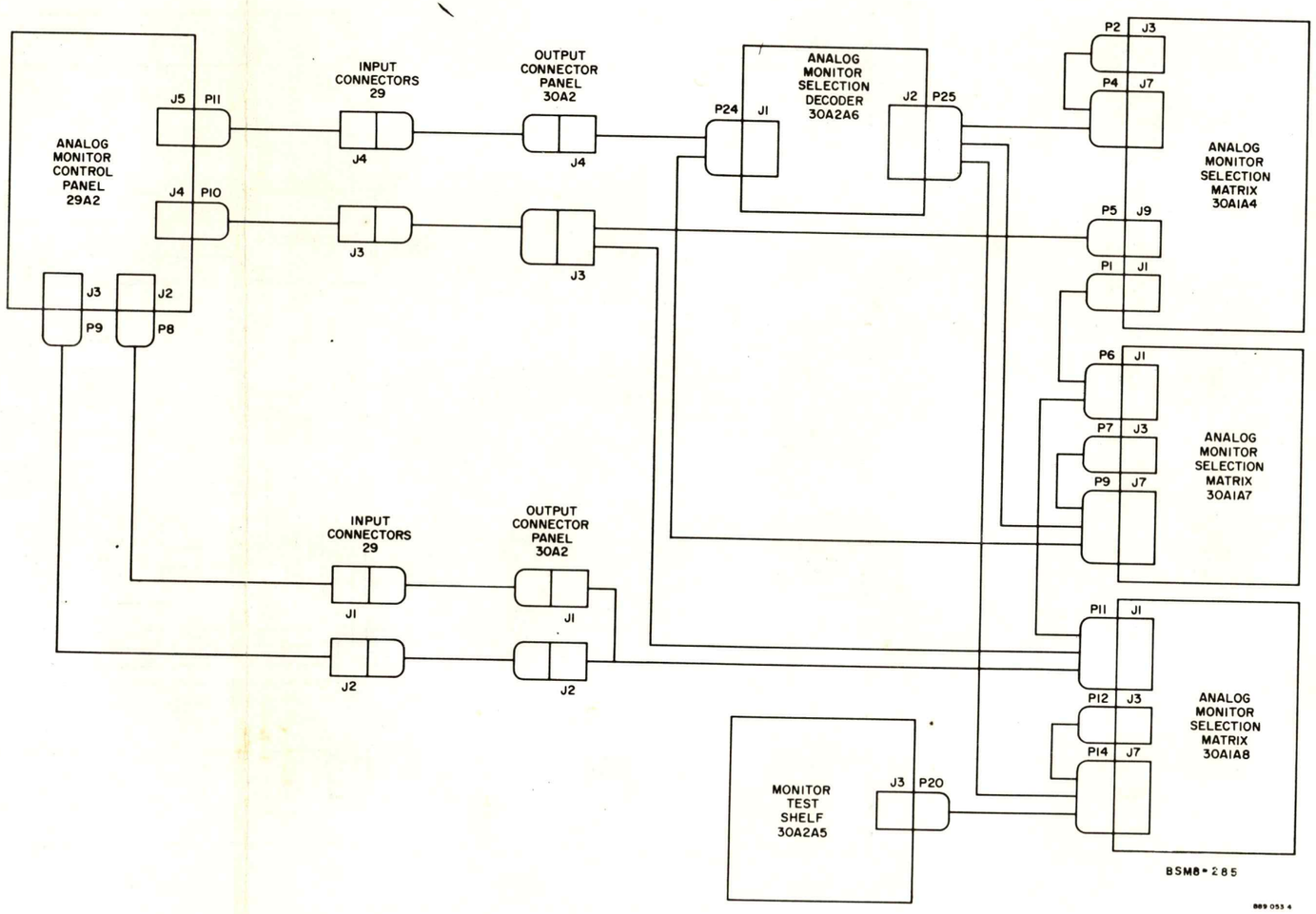


Figure 8-285. Collins Radio Analog Monitoring System

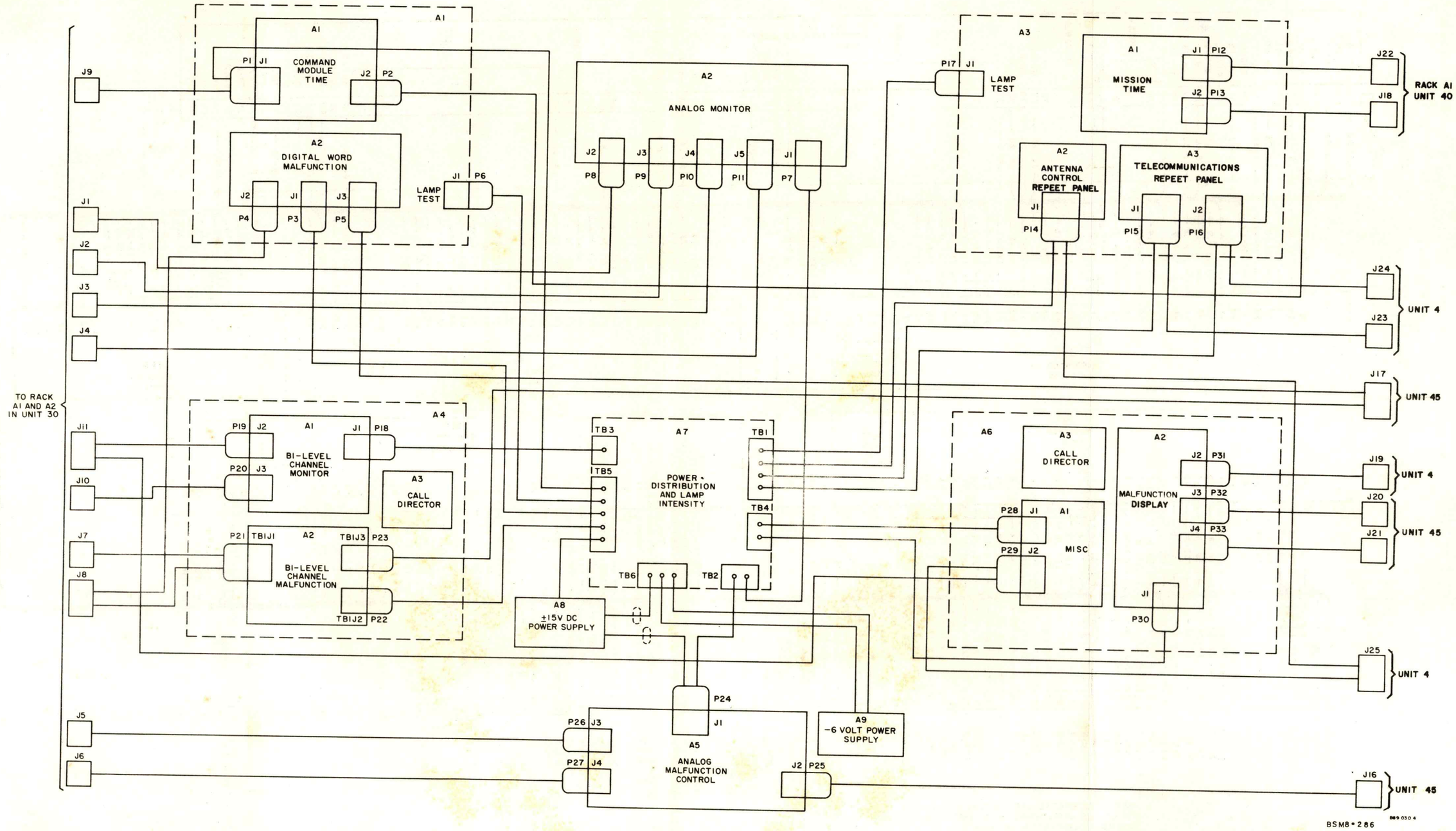
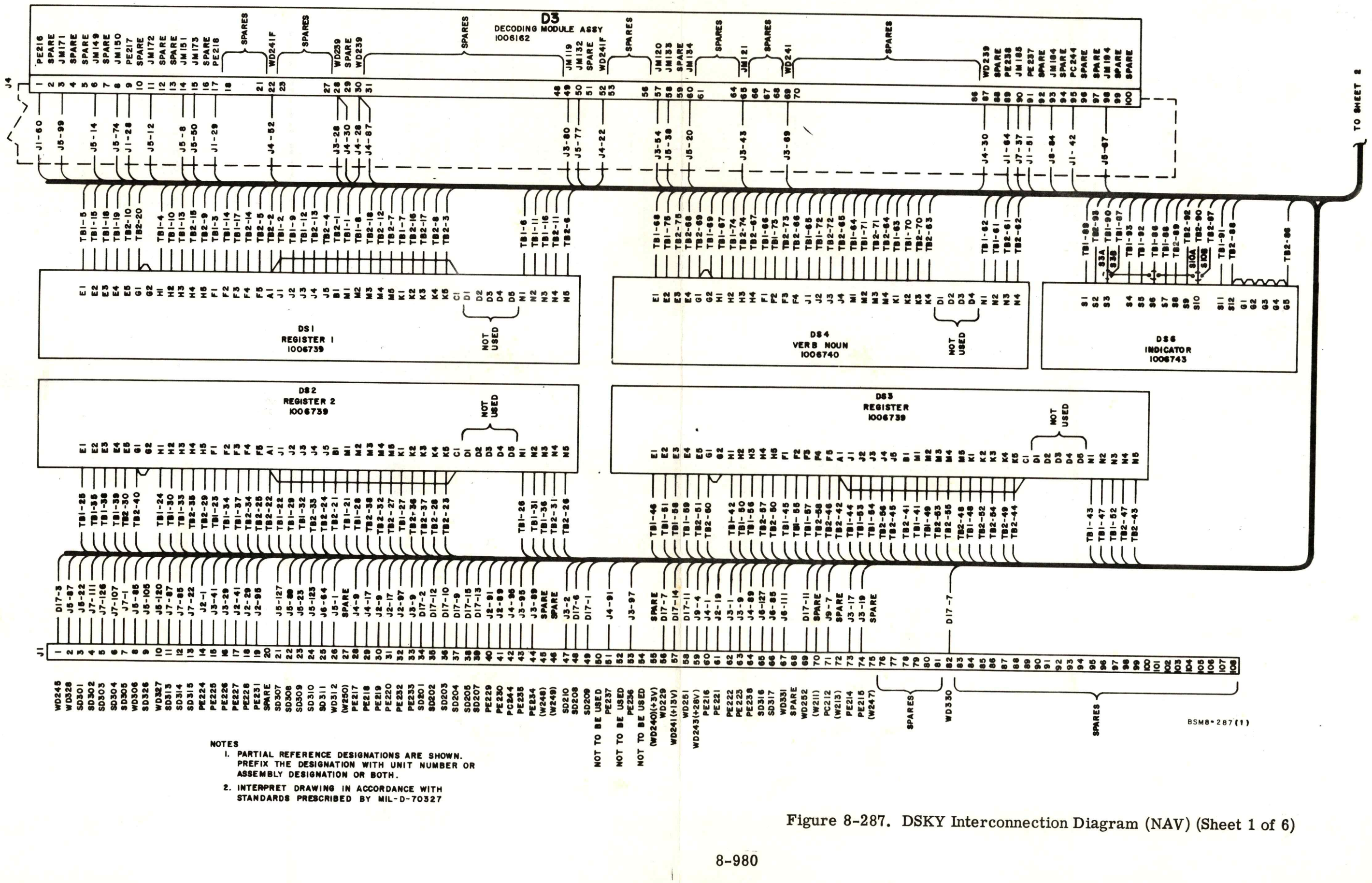


Figure 8-286. Collins Radio Console Cabling



NOTES

1. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN. PREFIX THE DESIGNATION WITH UNIT NUMBER OR ASSEMBLY DESIGNATION OR BOTH.
2. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327

Figure 8-287. DSKY Interconnection Diagram (NAV) (Sheet 1 of 6)

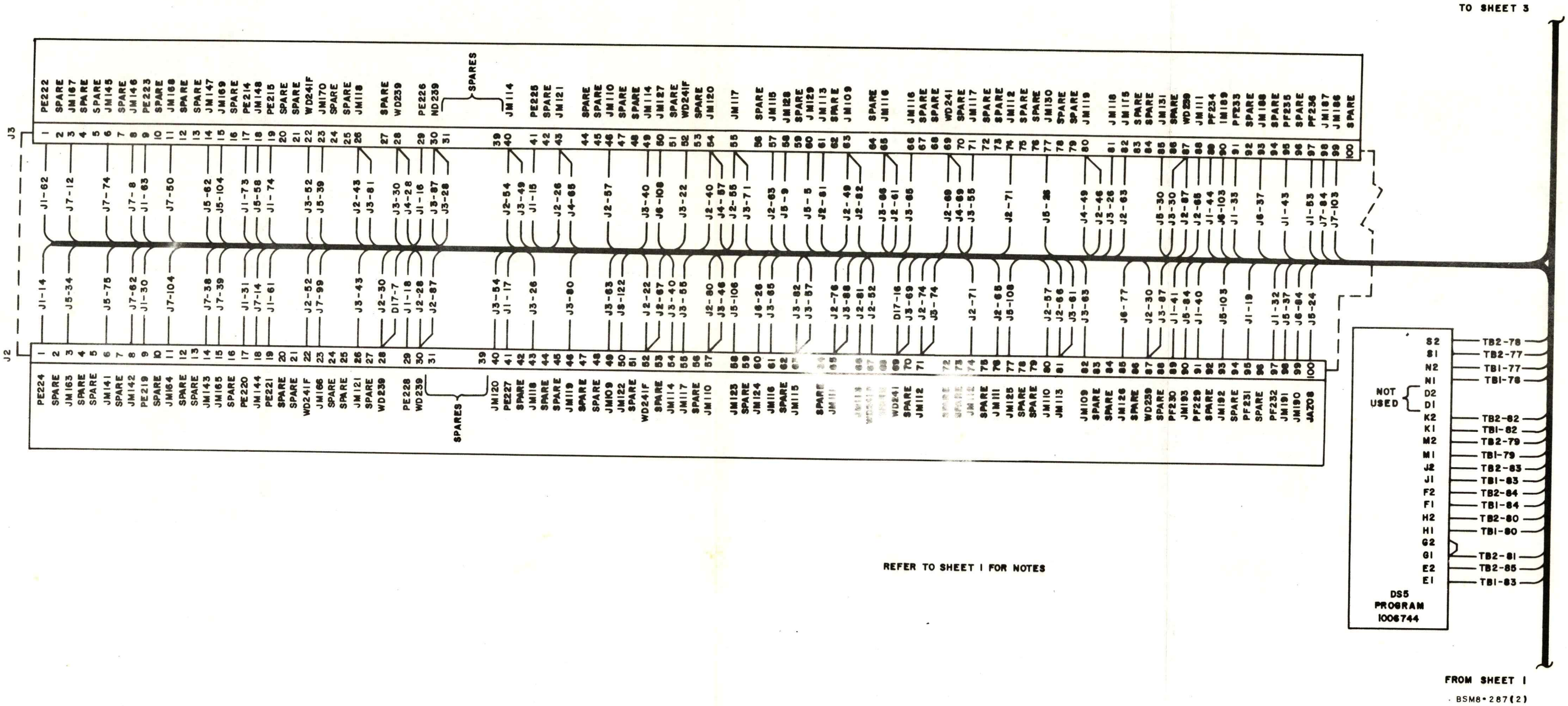


Figure 8-287. DSKY Interconnection Diagram (NAV) (Sheet 2 of 6)

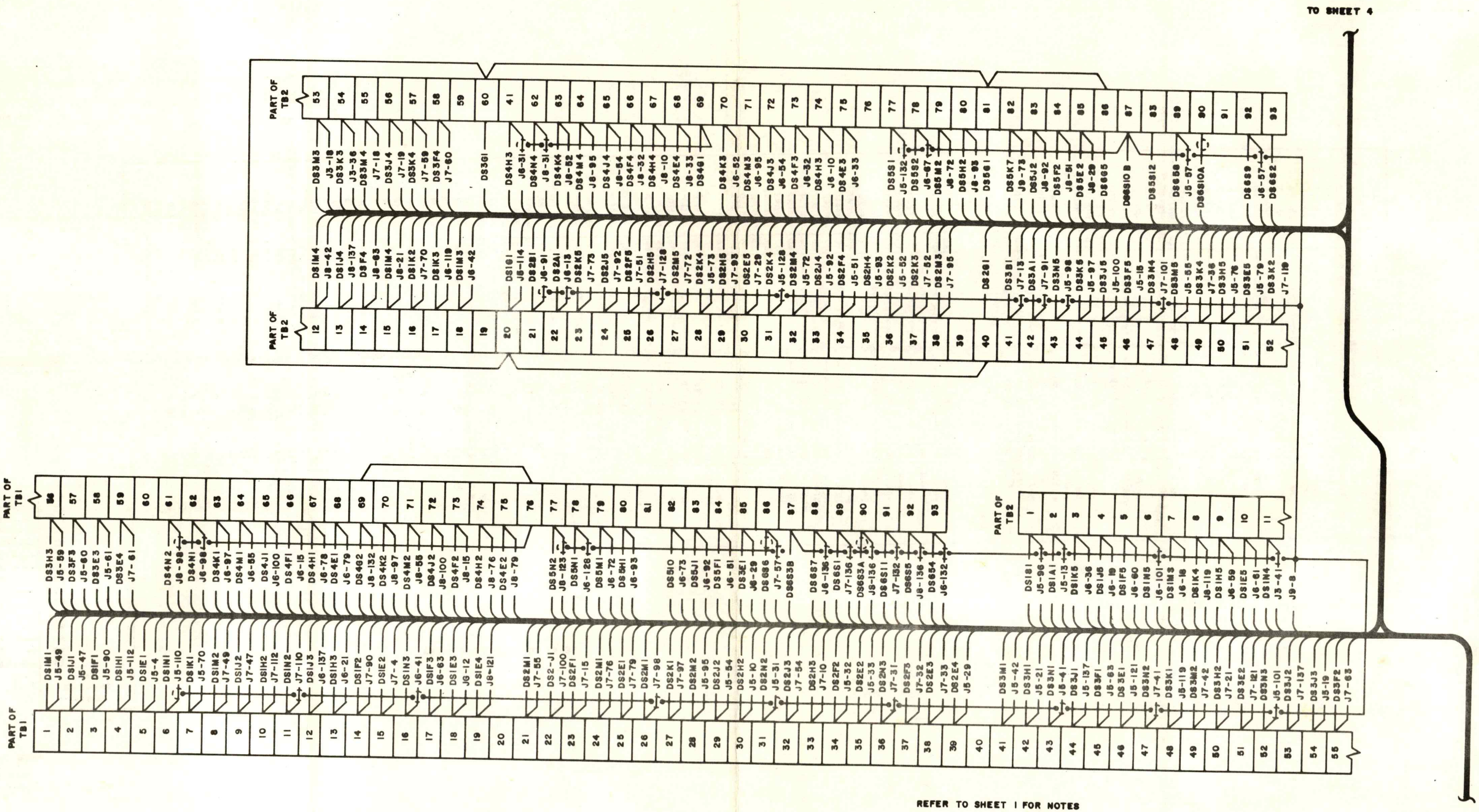


Figure 8-287. DSKY Interconnection Diagram (NAV) (Sheet 3 of 6)

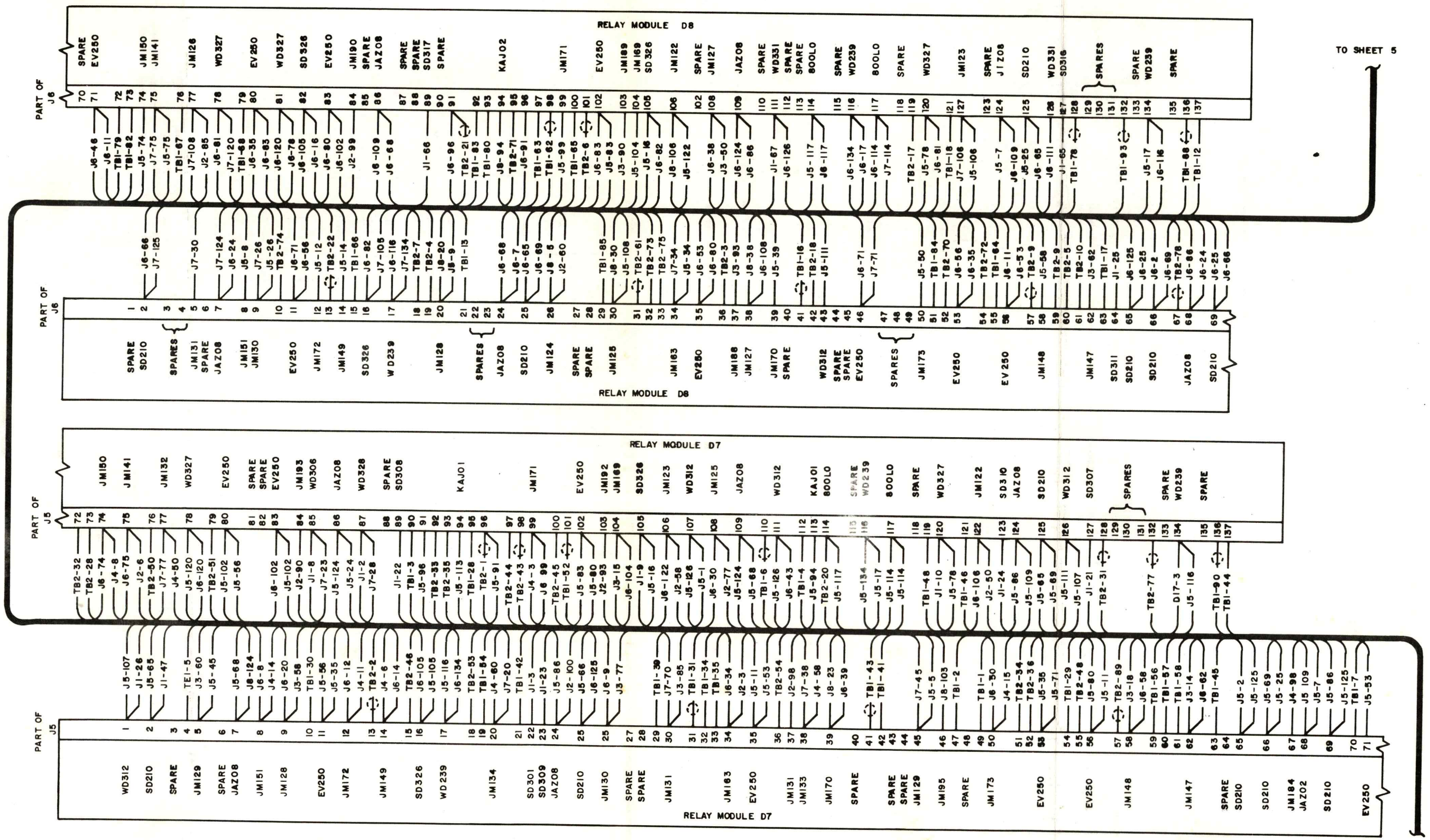
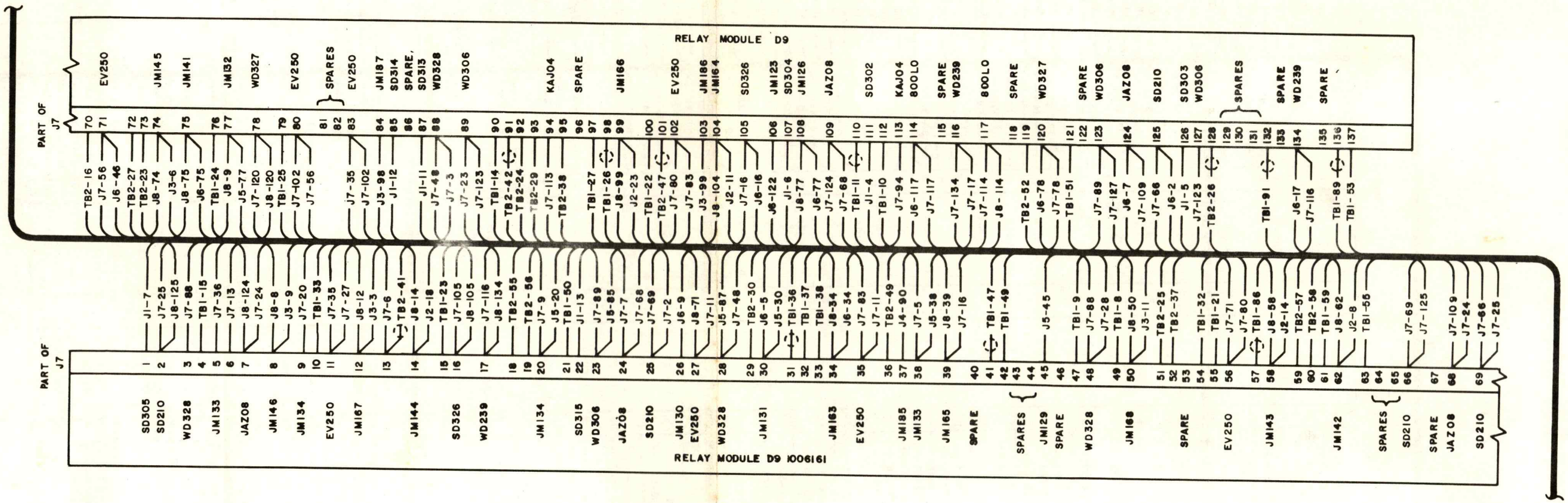


Figure 8-287. DSKY Interconnection Diagram (NAV) (Sheet 4 of 6)



REFER TO SHEET 1 FOR NOTES

Figure 8-287. DSKY Interconnection Diagram (NAV) (Sheet 5 of 6)

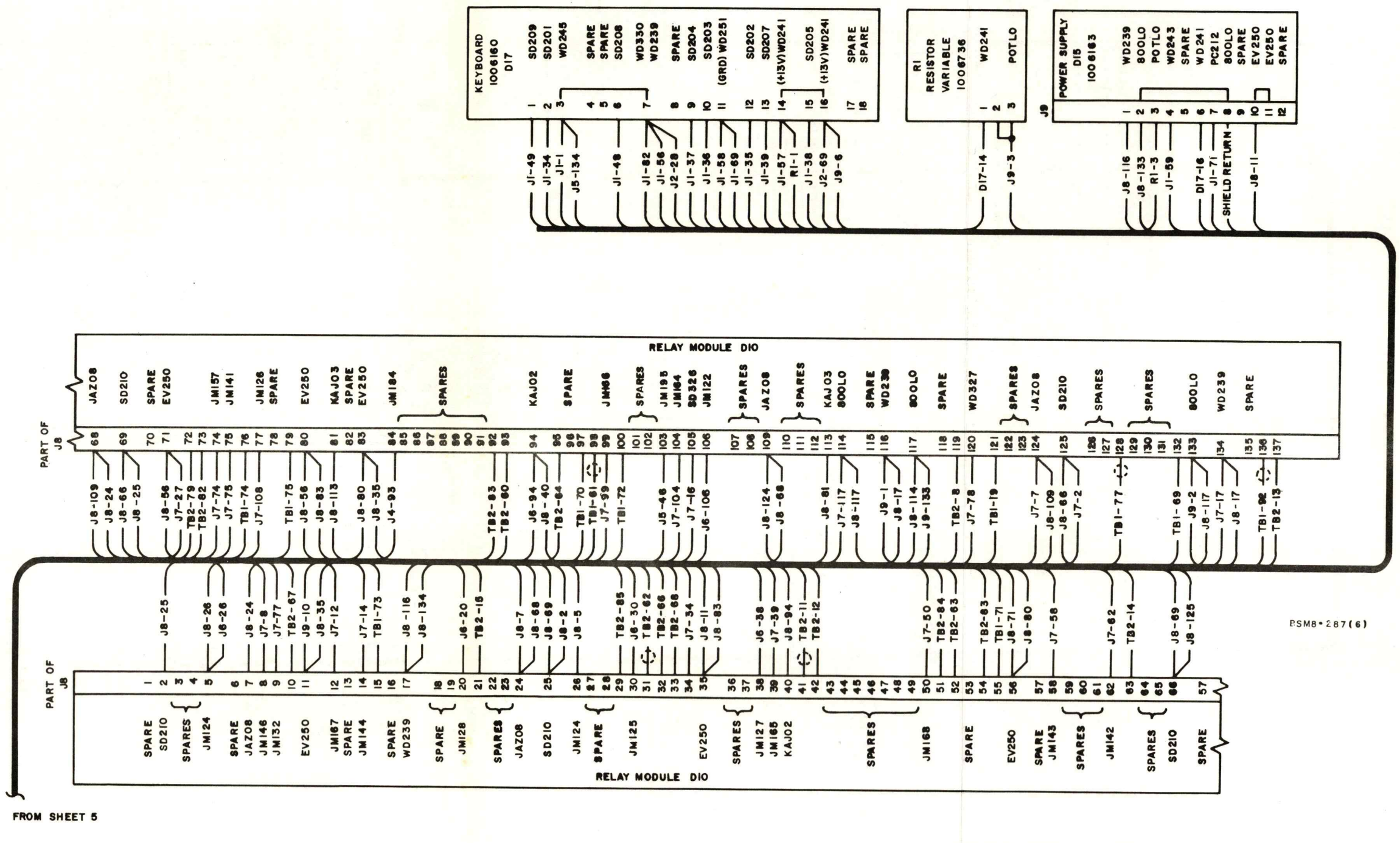
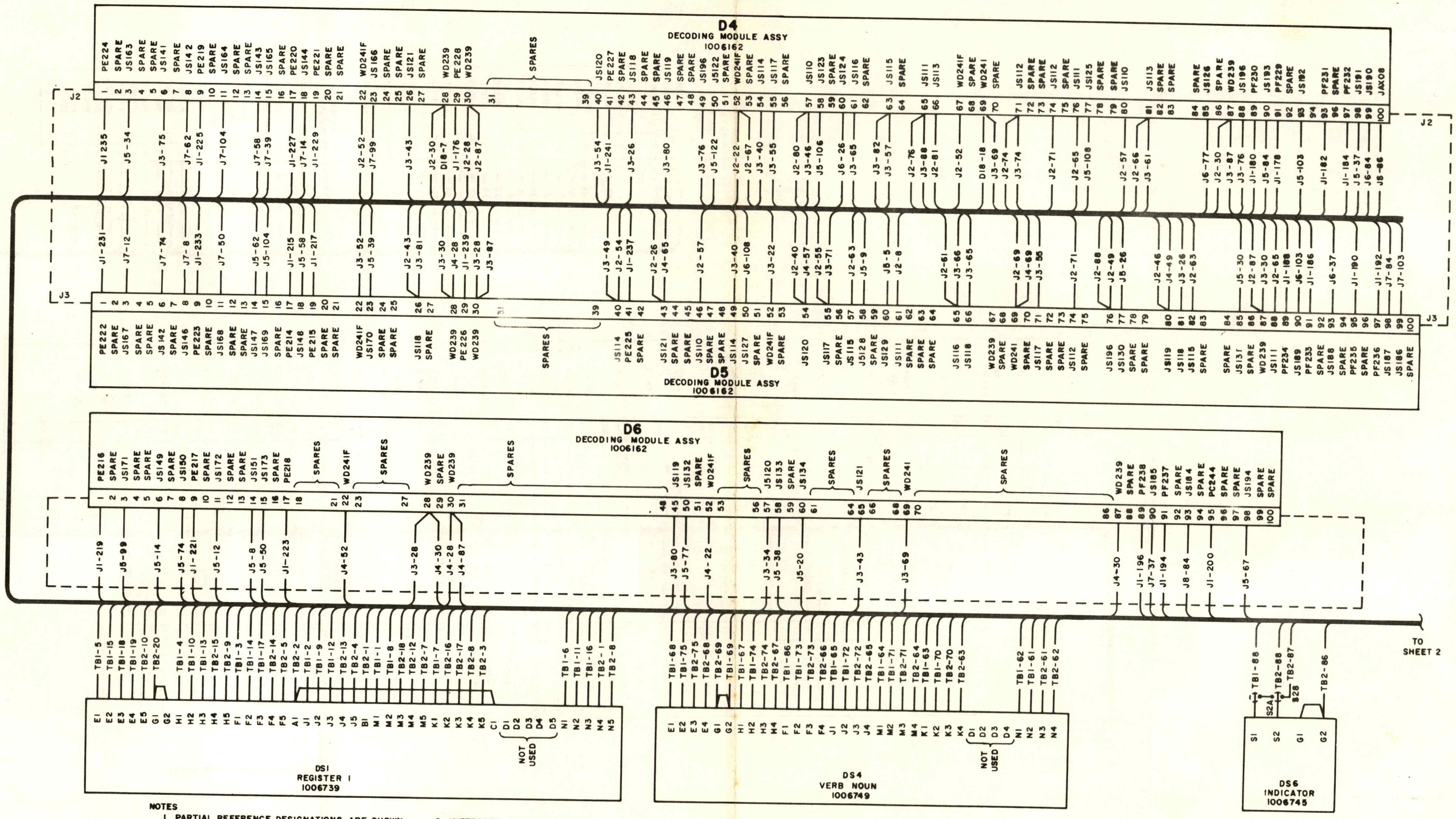


Figure 8-287. DSKY Interconnection Diagram (NAV) (Sheet 6 of 6)



NOTES

1. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN. PREFIX THE DESIGNATION WITH UNIT NUMBER OR ASSEMBLY DESIGNATION OR BOTH.
2. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327

DSM8-288(1)

Figure 8-288. DSKY Interconnection Diagram (MAIN) (Sheet 1 of 7)

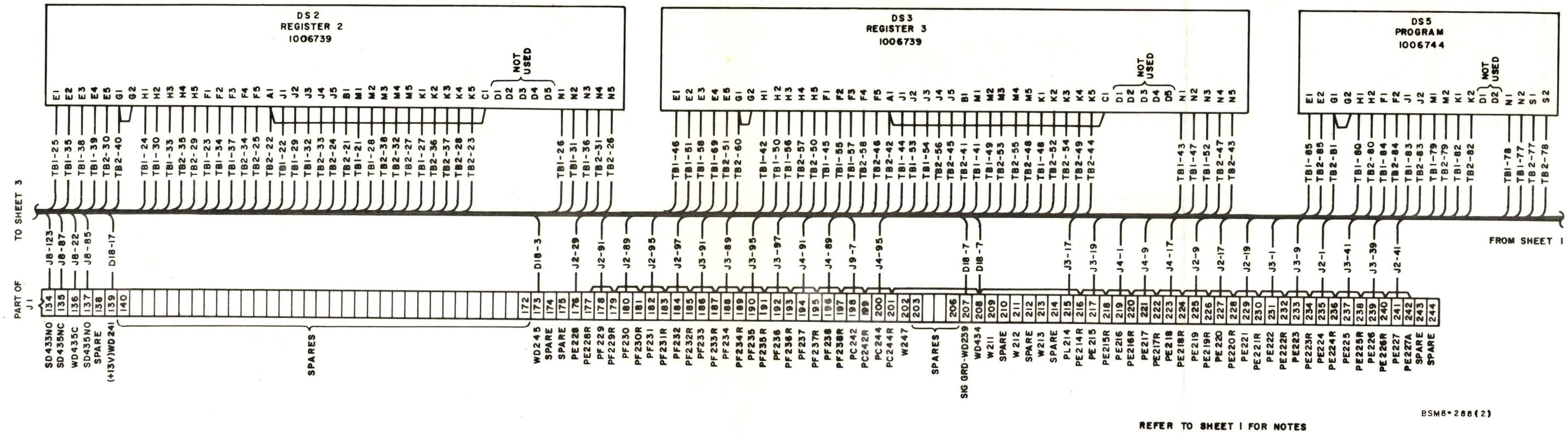
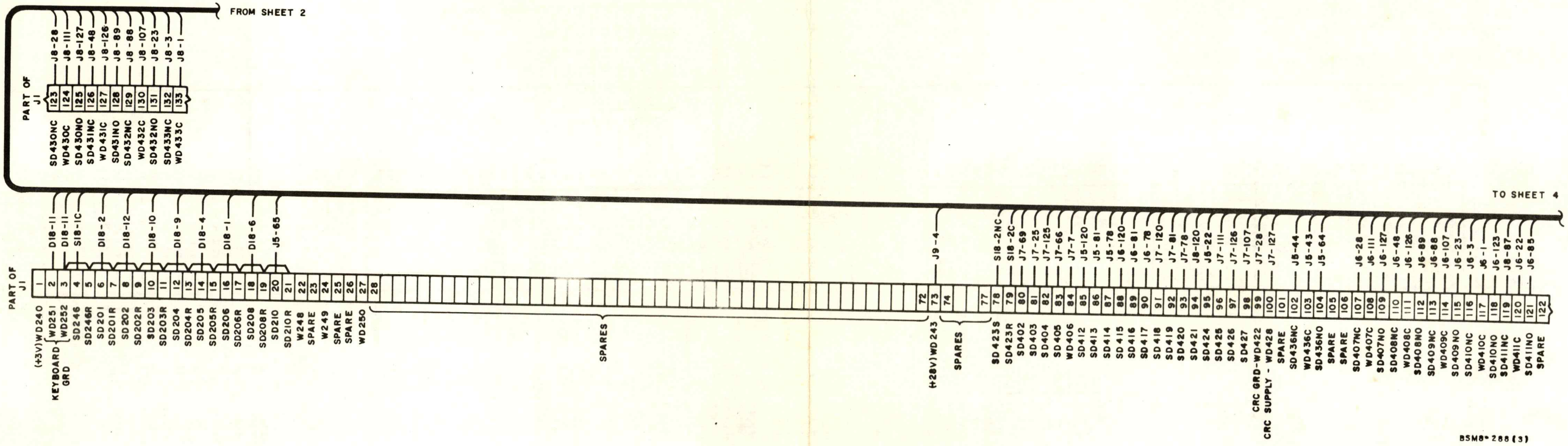
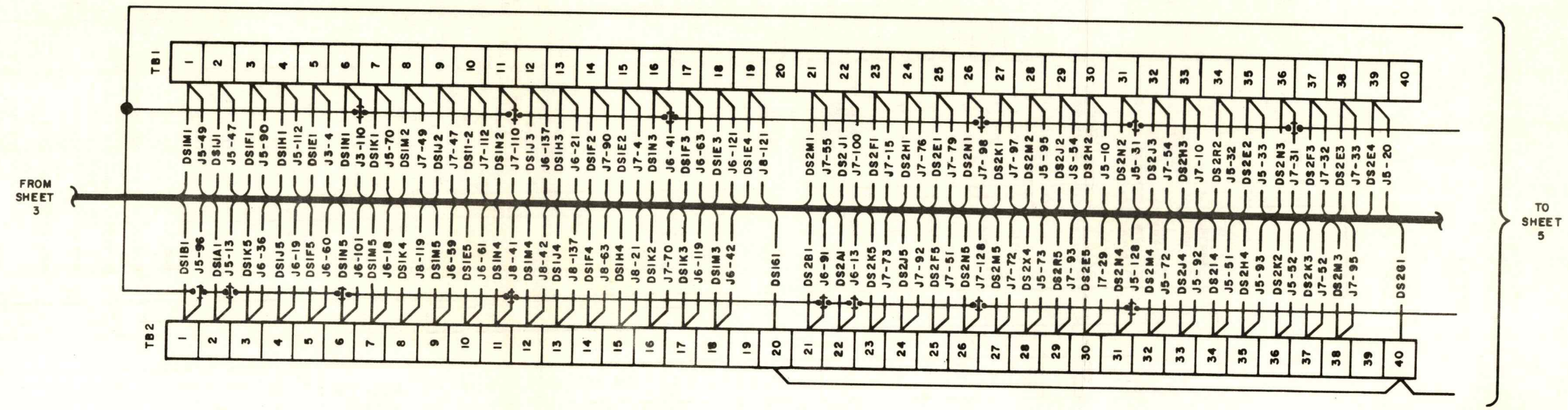


Figure 8-288. DSKY Interconnection Diagram (MAIN) (Sheet 2 of 7)



REFER TO SHEET 1 FOR NOTES

Figure 8-288. DSKY Interconnection Diagram (MAIN) (Sheet 3 of 7)



BSM8-288(4)

REFER TO SHEET 1 FOR NOTES

Figure 8-288. DSKY Interconnection Diagram (MAIN) (Sheet 4 of 7)

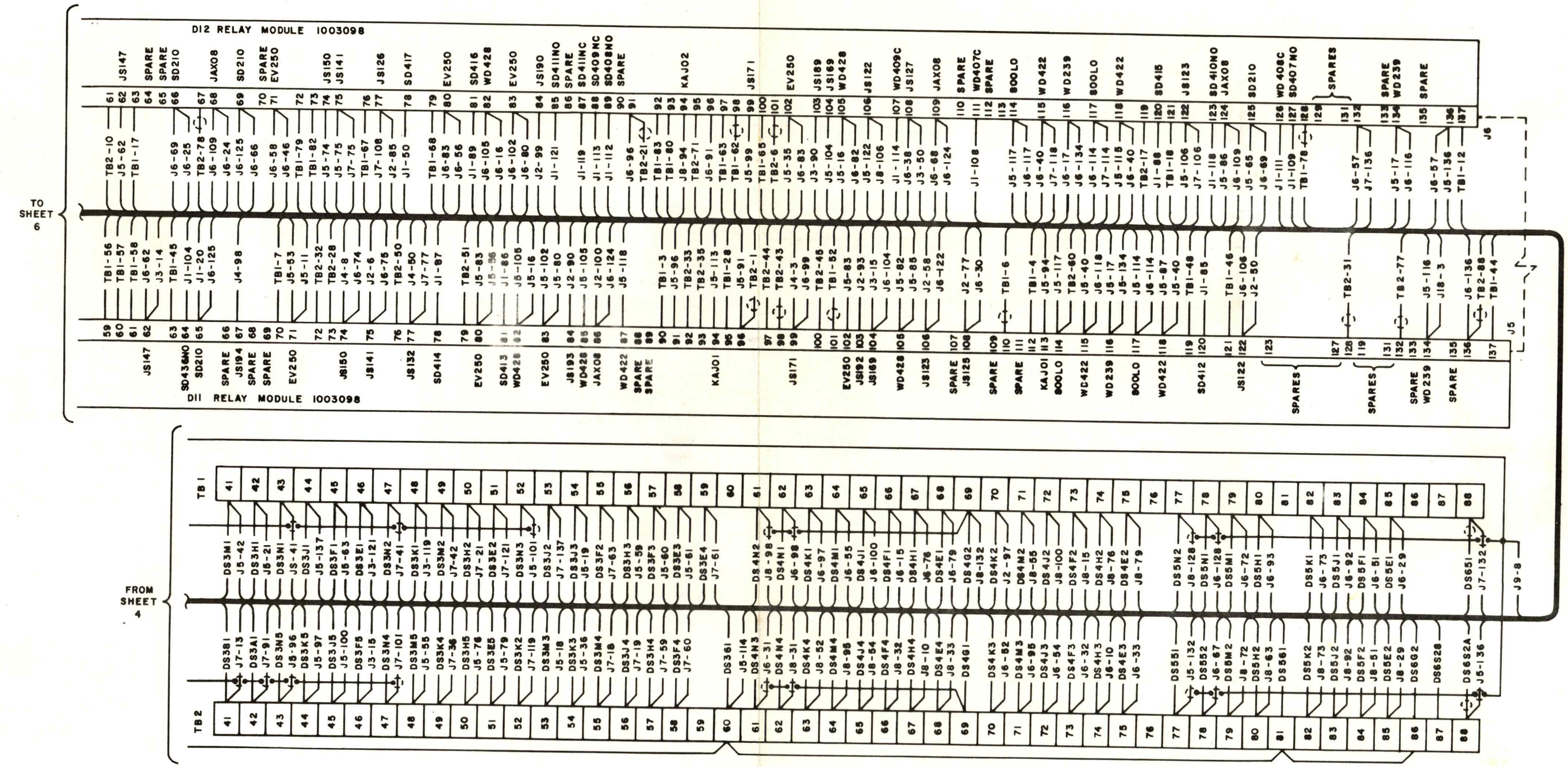


Figure 8-288. DSKY Interconnection Diagram (MAIN) (Sheet 5 of 7)

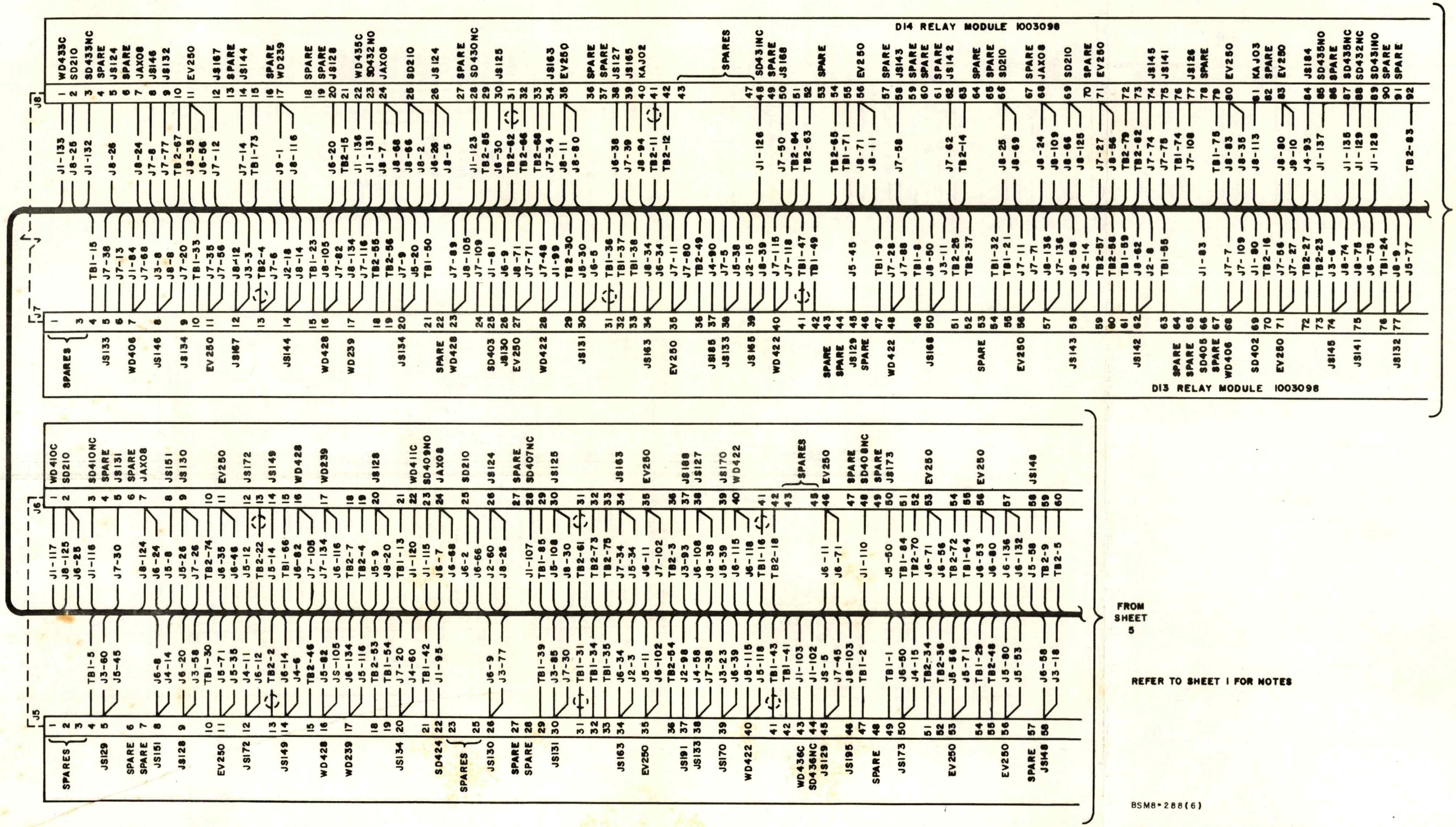
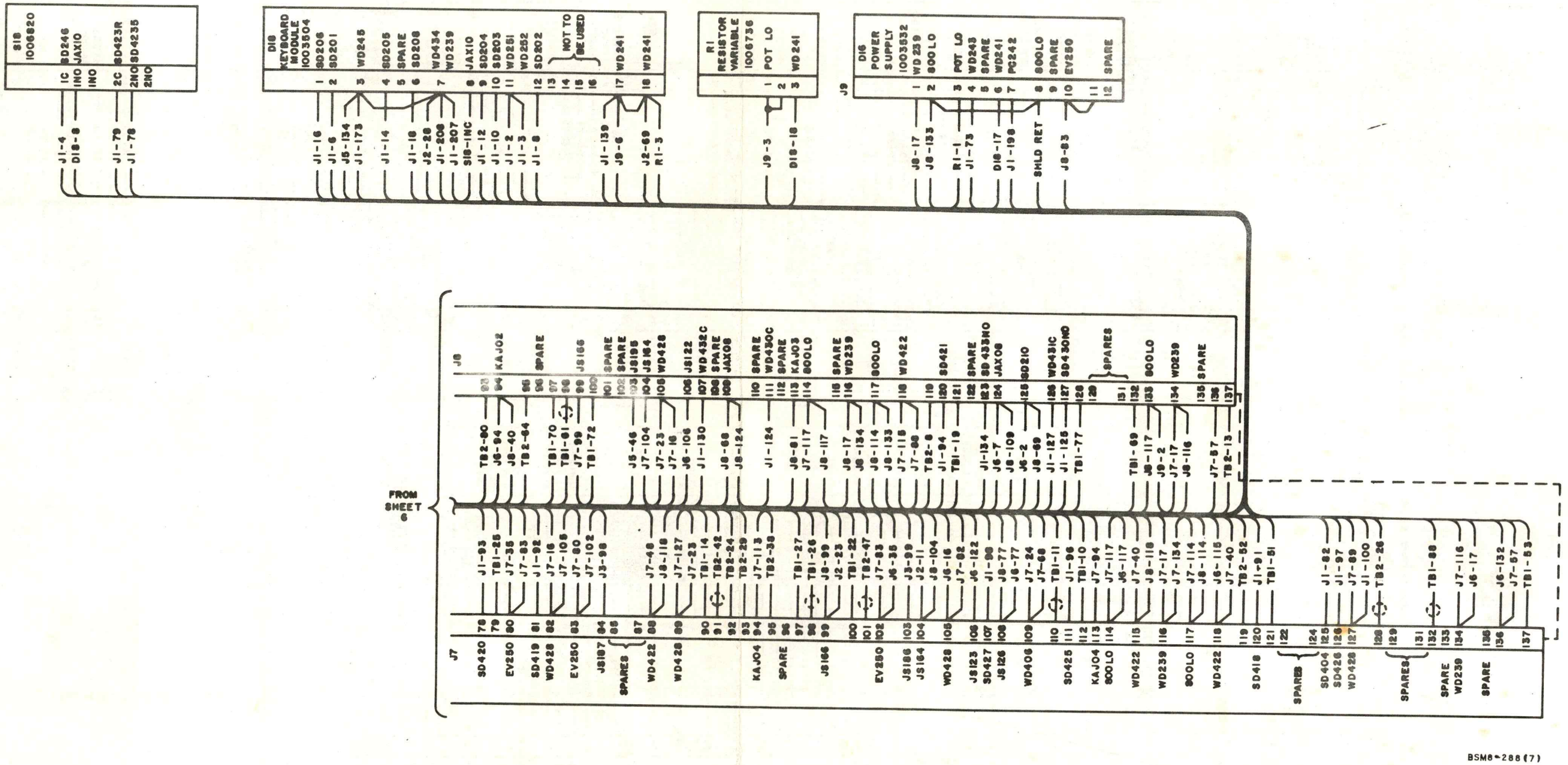
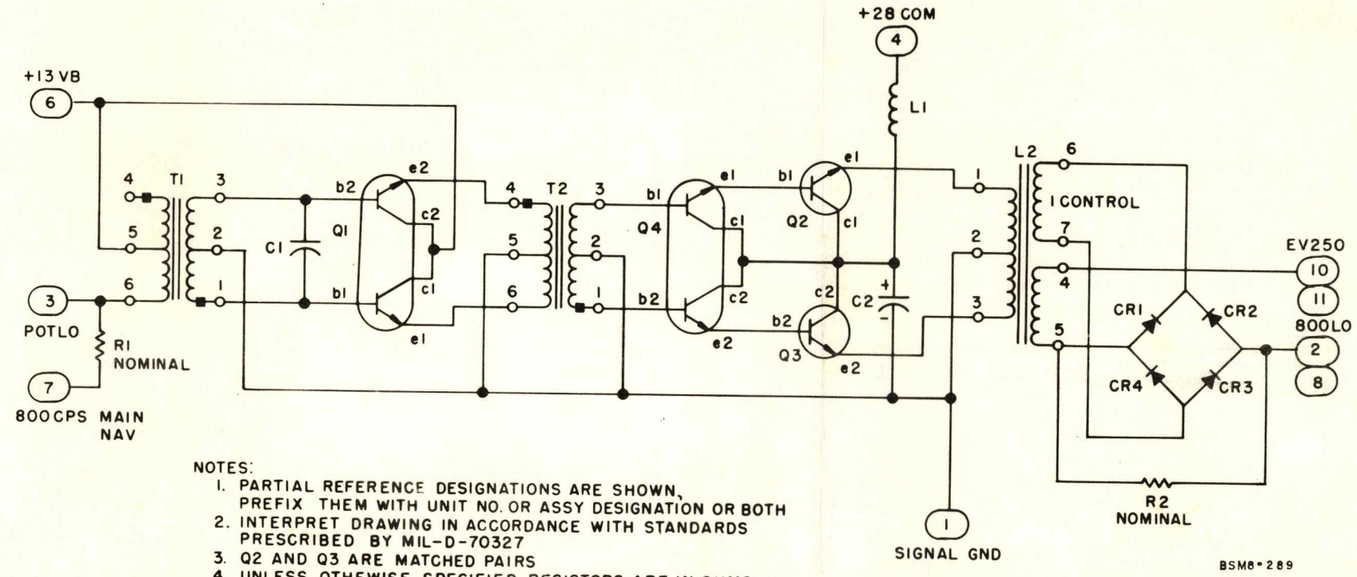


Figure 8-288. DSKY Interconnection Diagram (MAIN) (Sheet 6 of 7)



REFER TO SHEET 1 FOR NOTES

Figure 8-288. DSKY Interconnection Diagram (MAIN) (Sheet 7 of 7)



NOTES:
1. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN, PREFIX THEM WITH UNIT NO. OR ASSY DESIGNATION OR BOTH
2. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
3. Q2 AND Q3 ARE MATCHED PAIRS
4. UNLESS OTHEWISE SPECIFIED, RESISTORS ARE IN OHMS CAPACITORS ARE IN μfd

Figure 8-289. DSKY Power Supply Assembly

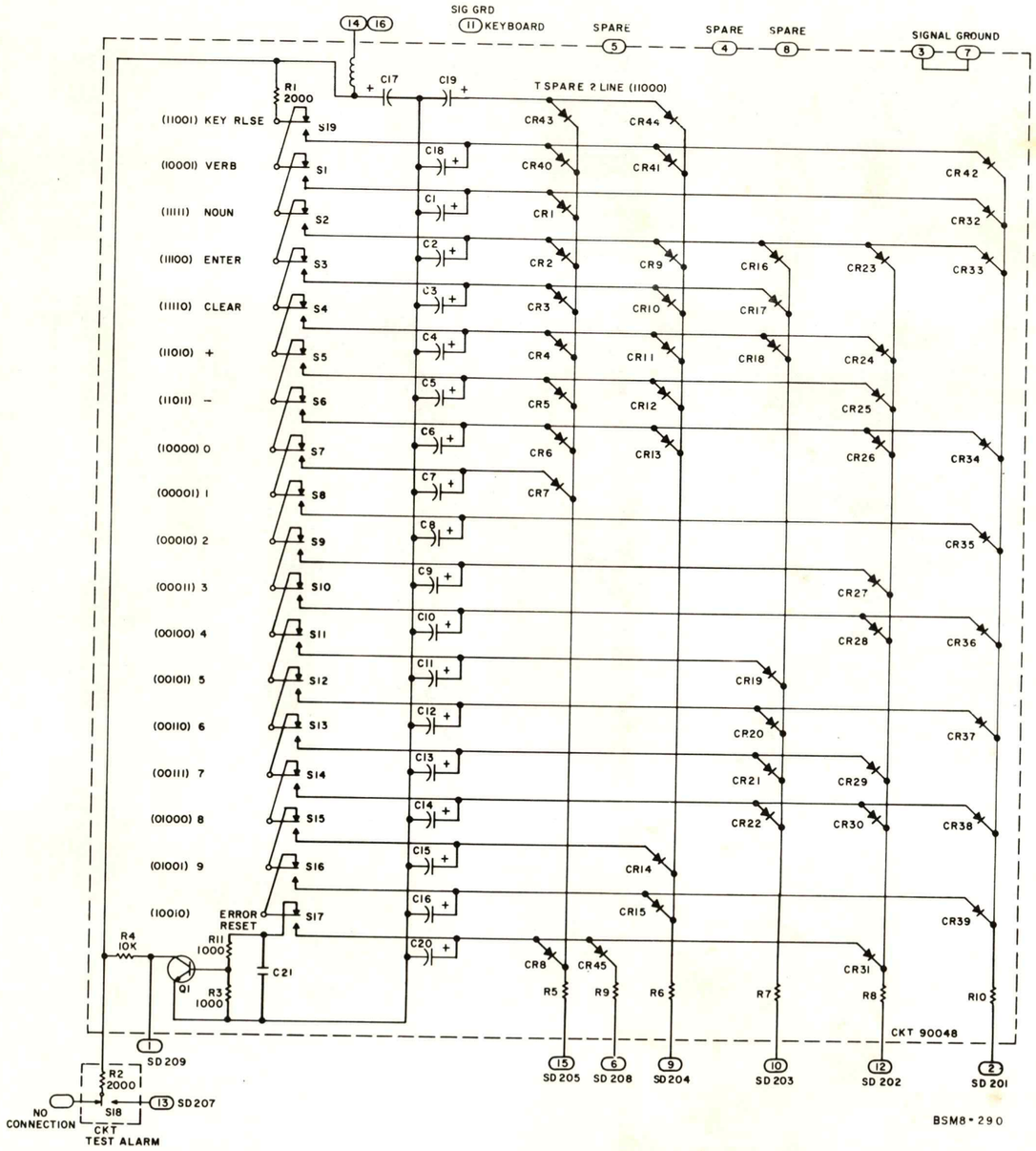


Figure 8-290. DSKY Keyboard Module (NAV)

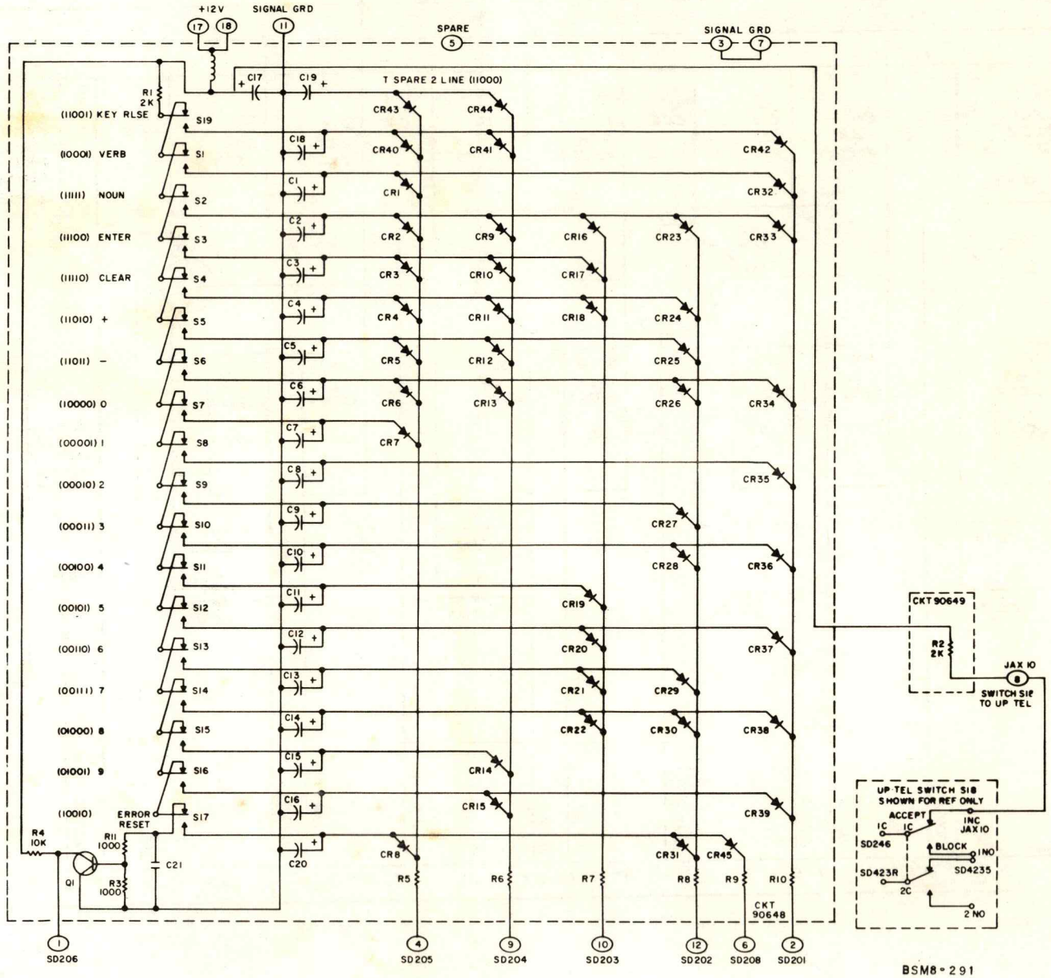
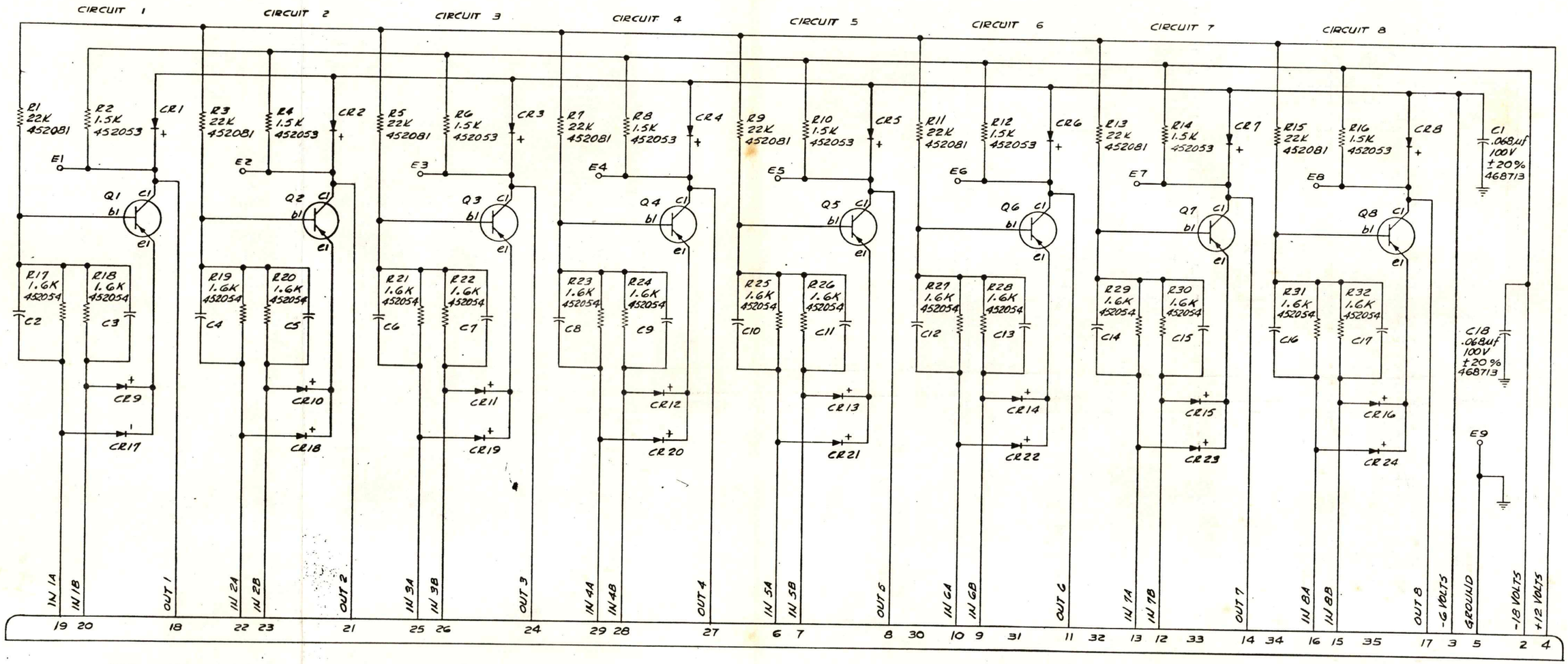


Figure 8-291. DSKY Keyboard Module (MAIN)



UNLESS OTHERWISE NOTED:

1. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN; FOR COMPLETE DESIGNATION(S) PREFIX WITH UNIT NUMBER OR SUB-ASSEMBLY DESIGNATION(S)
2. ALL RESISTANCE IN OHMS
3. ALL RESISTORS $\frac{1}{4}$ WATT, ±5%
4. ALL CAPACITORS ARE 22μμf, 500 VOLTS, ±5%, LINK PART NO. 451700
5. ALL TRANSISTORS ARE 2N996, LINK PART NO. 468735
6. ALL DIODES (CR) ARE IN695, LINK PART NO. 468732
7. ALL DIODES (CR) + SIDE SAME AS CATHODE

BSM8-292

Figure 8-292. Digital Data Comparator

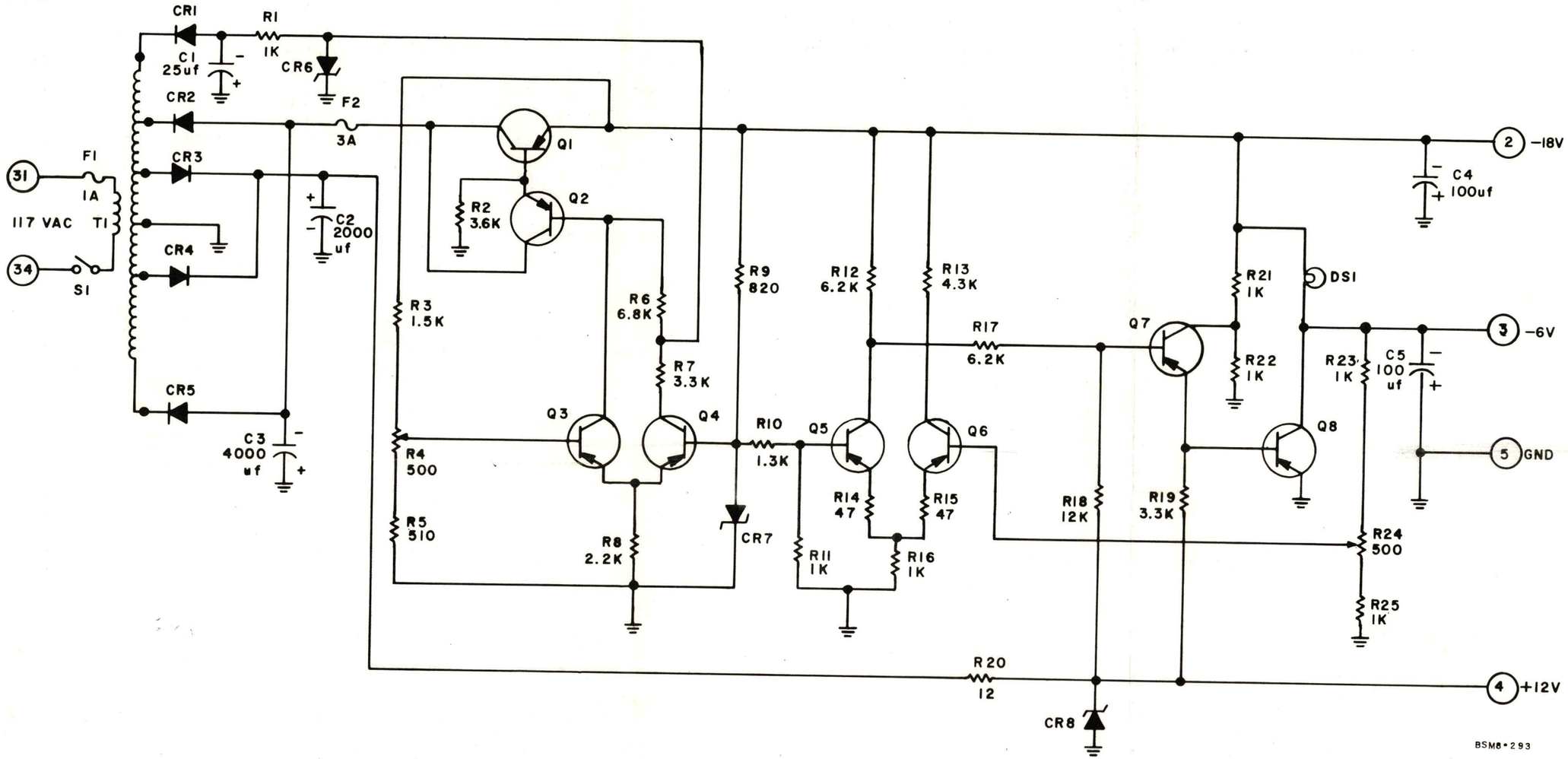


Figure 8-293. Power Supply Model BP-30, Schematic Diagram

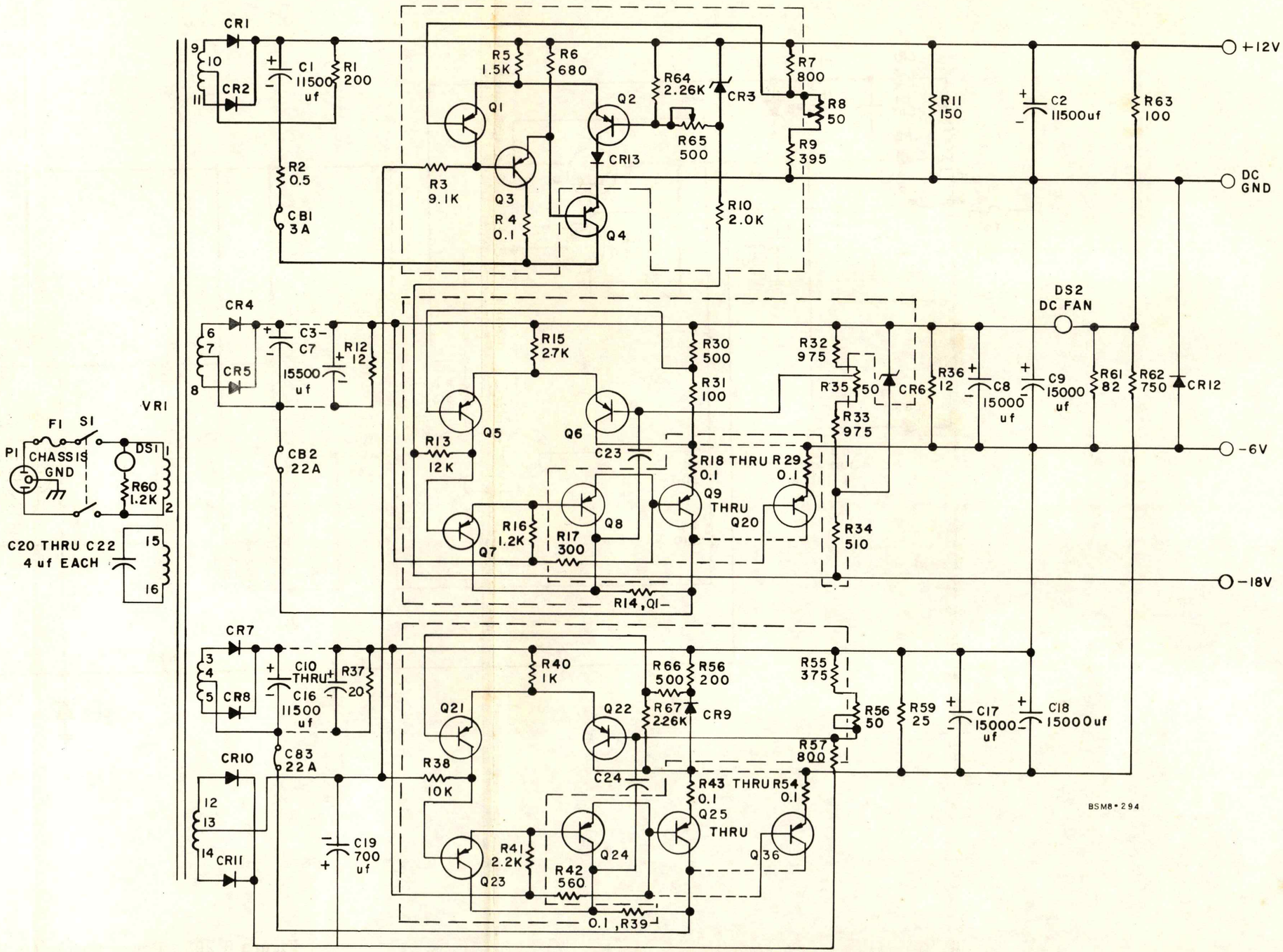


Figure 8-294. Power Supply Model RP-32, Schematic Diagram

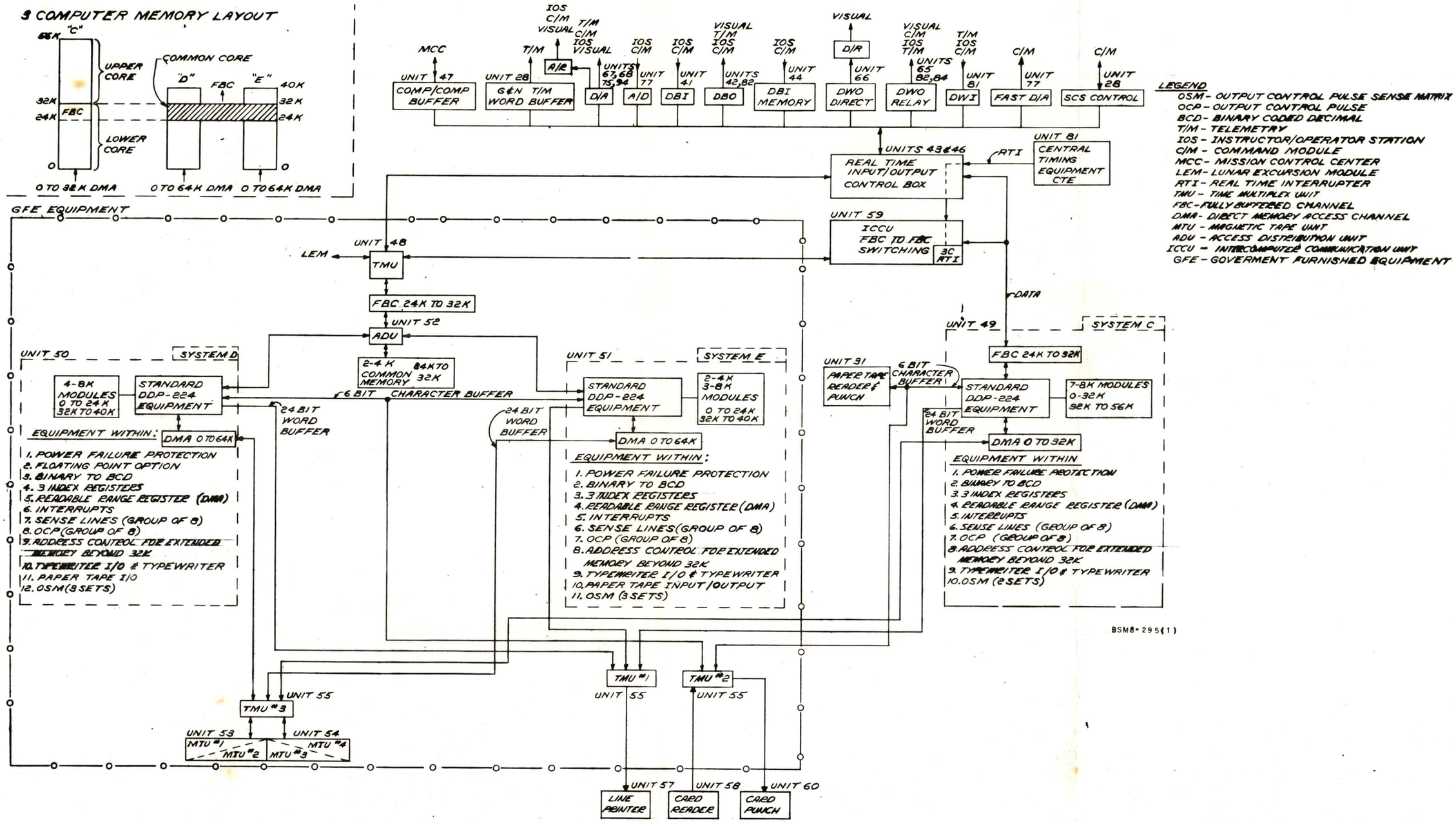


Figure 8-295. 012 Simulator Computing Equipment Flow Diagram (Sheet 1 of 7)

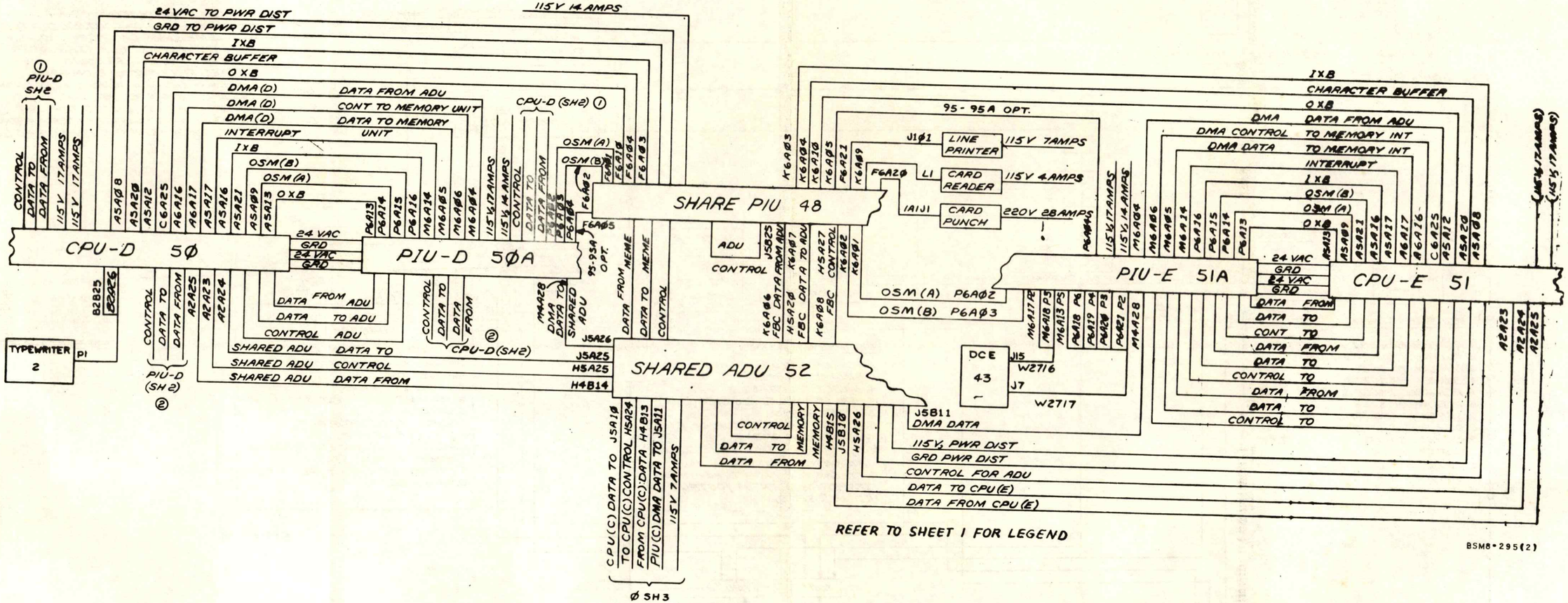


Figure 8-295. 012 Simulator Computing Equipment Flow Diagram (Sheet 2 of 7)

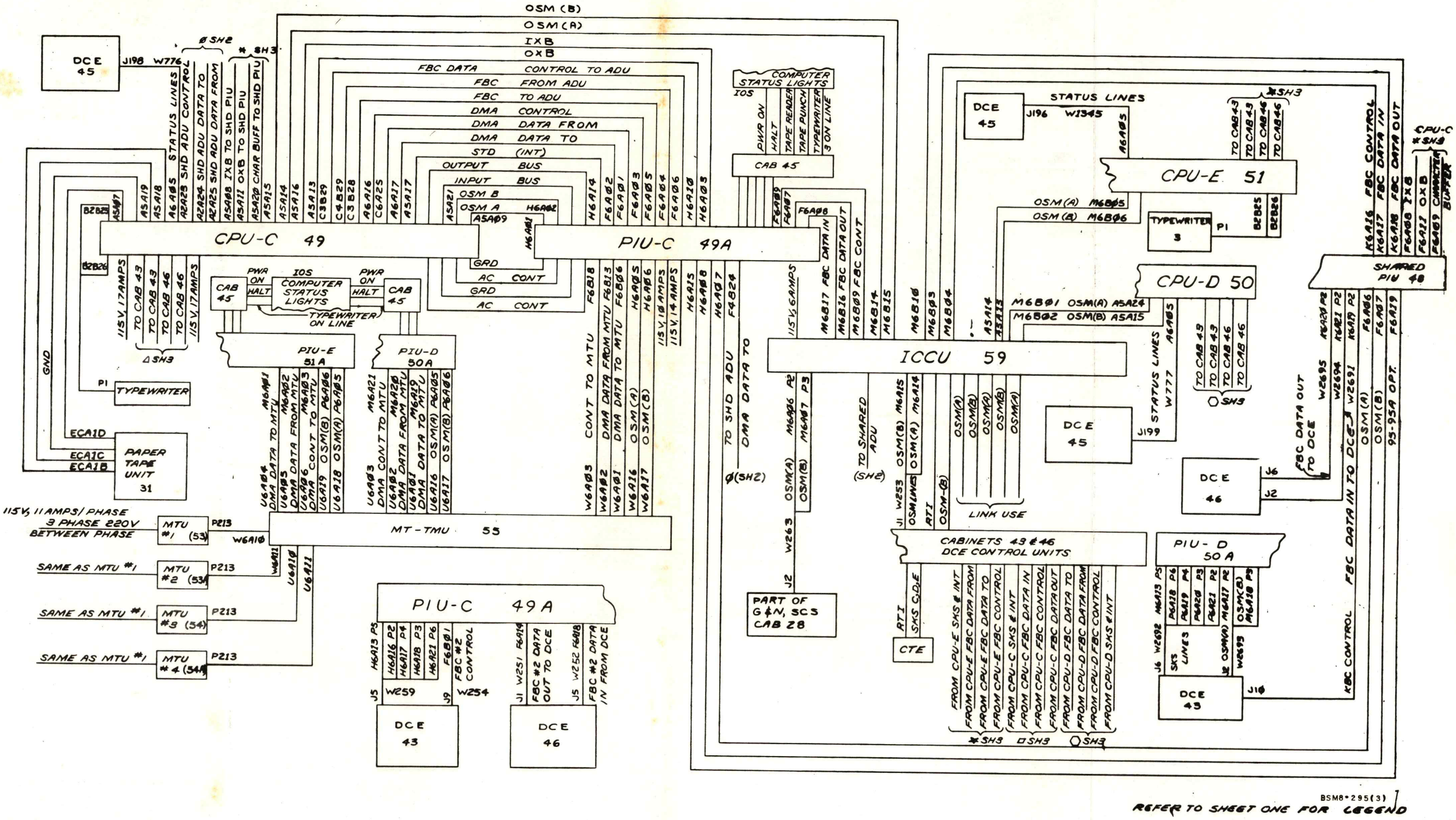
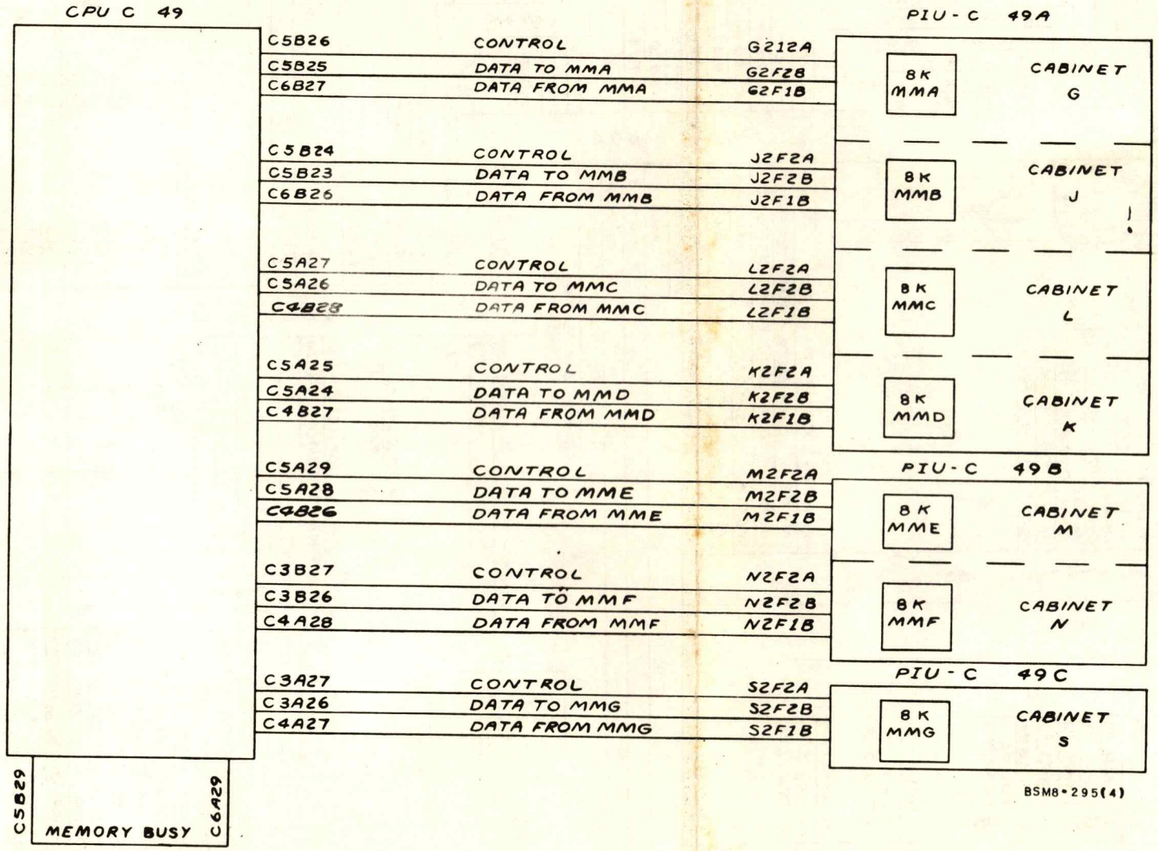


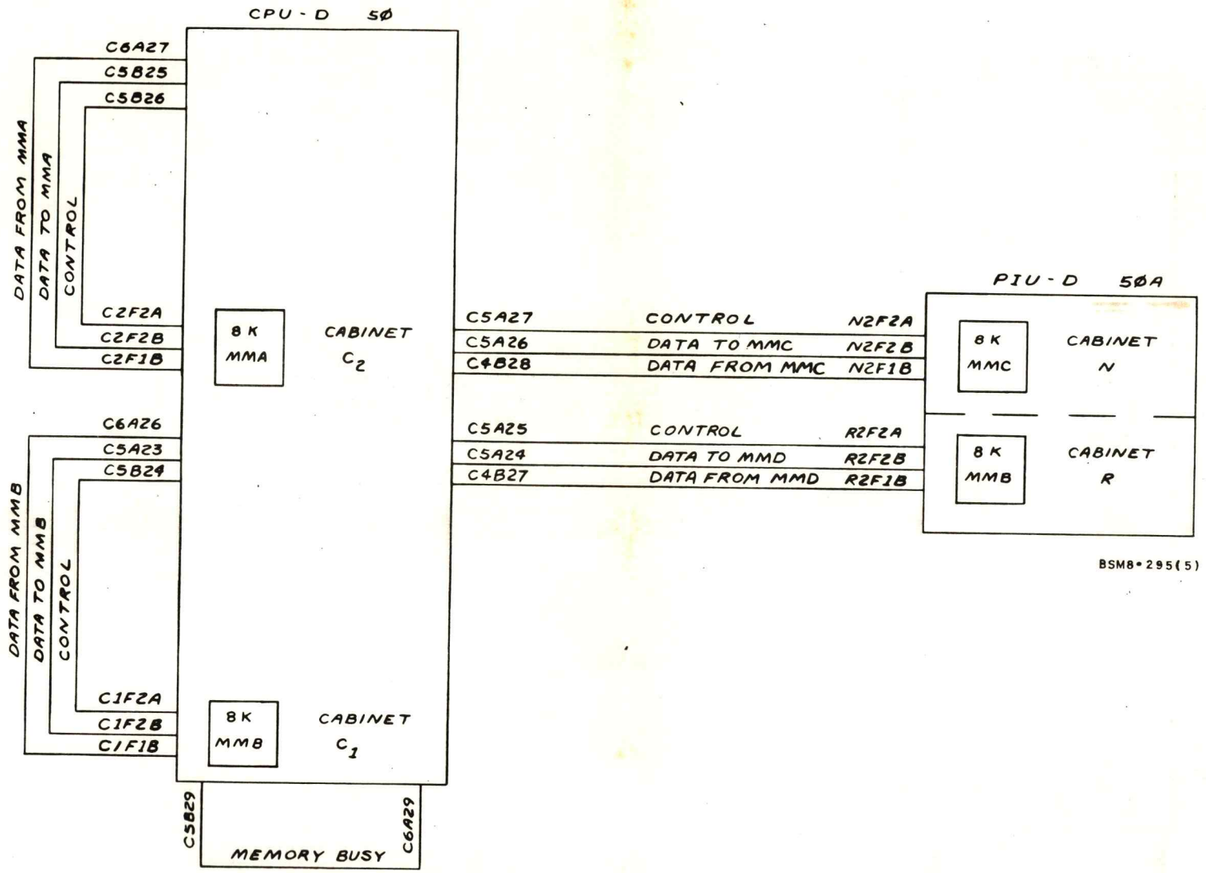
Figure 8-295. 012 Simulator Computing Equipment Flow Diagram (Sheet 3 of 7)



COMPUTER C

REFER TO SHEET ONE FOR LEGEND

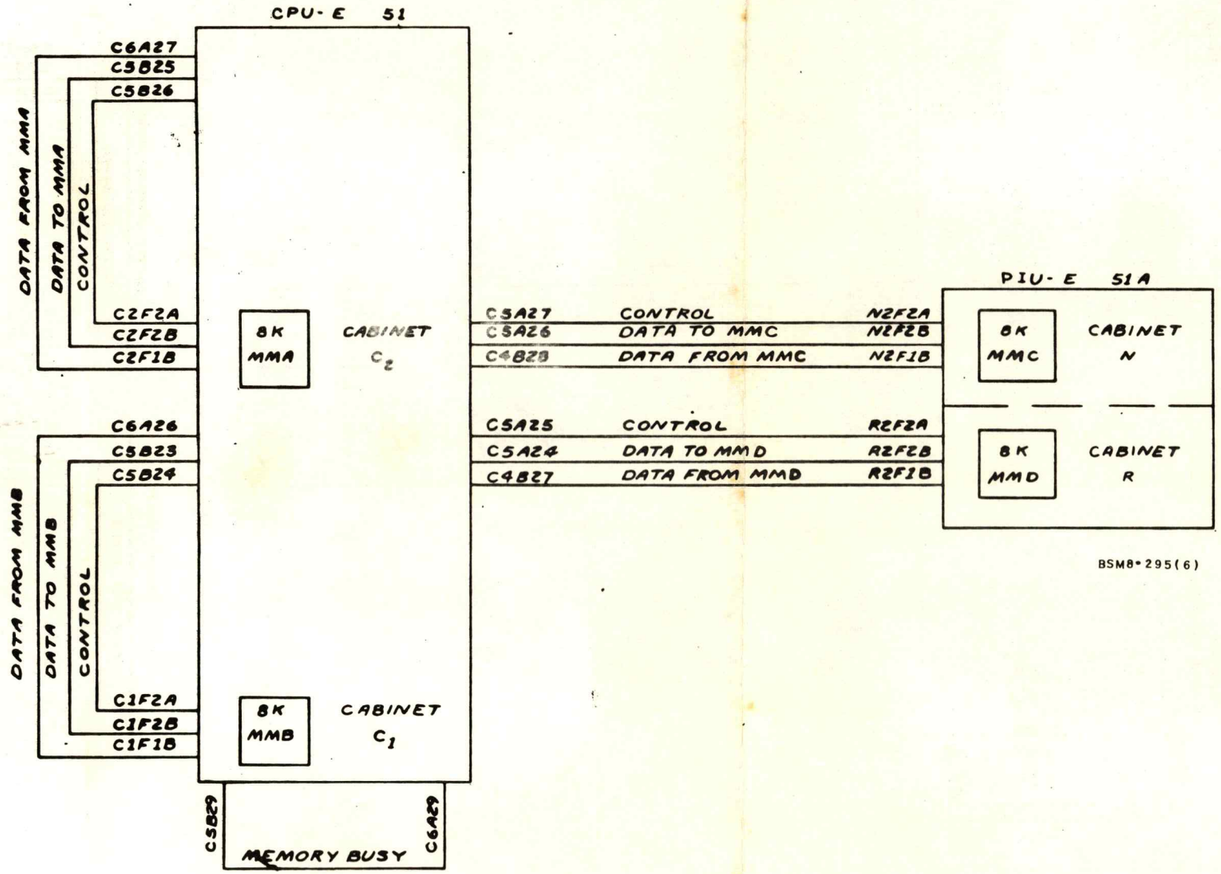
Figure 8-295. 012 Simulator Computing Equipment Flow Diagram (Sheet 4 of 7)



COMPUTER D

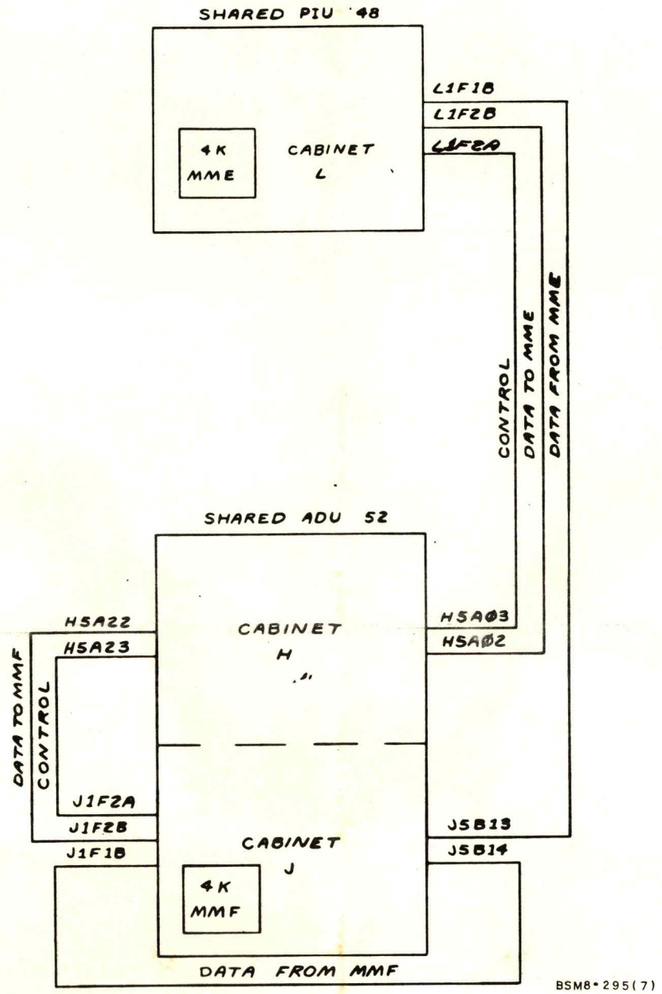
REFER TO SHEET ONE FOR LEGEND

Figure 8-295. 012 Simulator Computing Equipment Flow Diagram (Sheet 5 of 7)



REFER TO SHEET ONE FOR LEGEND

Figure 8-295. 012 Simulator Computing Equipment Flow Diagram (Sheet 6 of 7)



REFER TO SHEET ONE FOR LEGEND

Figure 8-295. 012 Simulator Computing Equipment Flow Diagram (Sheet 7 of 7)